

	Total	N-Clones (208F-FE-8)	T-Clones (FE8-208F)
Number of sequenced cDNA clones	1257	669	588
Number of individual sequences	823	416	407
Sequence analysis			
Known genes (nr/Genbank)	427	207	220
Expressed Sequence Tags (dbest)	303	161	142
No similarity in data bases (new)	93	48	45
Expression analysis: Reverse Northern Analysis/con- ventional Northern Blot			
Differentially expressed	393	225	168
Known genes	244	126	118
Expressed sequence tags	104	74	30
New sequences	45	25	20
Not differentially expressed	194	86	108
Not detectable in expression analysis	236	105	131

Figure 1

Genes that are adjusted down by
H-Ras-transformation

Genes that are adjusted up by
H-Ras-transformation

[Key:]

Sequenzidentität (Genbank/EMBL) = Sequence Identity
(Genbank/EMBL)

Spezies = Species

Zugriffs-Nr. = Access No.

Redundanz = Redundancy

Ausmaß der Regulation = Extent of Adjustment

Verifizierung = Verification

Signalling Molecule

Gene herabreguliert durch H-Ras-Transformation

Gene heraufreguliert durch H-Ras-Transformation

Sequenzidentität (Genbank/EMBL)	Spezies	Zugriffs-Nr.	Redundanz	Ausmaß der Regulation	Verifizierung	Sequenzidentität (Genbank/EMBL)	Spezies	Zugriffs-Nr.	Redundanz	Ausmaß der Regulation	Verifizierung
Signalgebungsmoleküle											
3',5'-cyclic AMP phosphodiesterase	r	Z22867	1	>100	N1	AKAP-KL (A kinase anchor protein)	m	AF033276	1	16.1	T1, R
AhR repressor	m	AB015140	1	38.0	R	βG1 (eck receptor ligand)	r	D38056	1	5.2	T2
AMP-dependent protein kinase type II	r	M12492	1	>100	R	c-Ha-ras-1	h	V00574	1	17.0	T3
CSF-1 (colony stimulating factor-1)	r	M84361	2	5.6	N2, R	c-yes	m	X67677	1	12.5	T4
Gas-6	m	X59846	1	24.0	R	Calmodulin-dependent protein kinase II-delta	r	J05072	1	8.1	R
Guanine nucleotide-binding protein G-s alpha	r	M12673	1	3.6	N3	Cyclooxygenase 1	r	U03388	1	90.7	T5, R
TRAF (TRAF-interacting protein)	m	MMU59864	1	38.6	N4	Cytocentrin = Ral-binding protein 1	r	U28830	1	8.3	T6
IKK-complex-associated protein (IKAP)	h	AF044195	1	8.6	R	FKBP51 (T-cell-specific immunophilin)	m	U16959	1	68.2	T7
MARCKS	m	M60474	2	3.3	N5	FLIP (FLICE-like inhibitory protein)	m	U97076	2	>100	T8
MST2 kinase	r	AJ001529	2	21.6	R	GEF-H1	h	U72206	1	32.1	T9
Myo-inositol monophosphatase (IMP)	r	U84038	1	44.5	N6	GTP-binding protein RAD5	r	AF072935	1	>100	T10
P5 protein	ha	X62678	1	3.4	R	JAK1 protein tyrosine kinase 1	r	AJ000556	1	55.0	T11
Phosducin-like protein (PhLP)	r	L15354	2	>100	N7, R	MAP-kinase phosphatase (cpg21)	r	AF013144	1	27.9	T12, R
Phosphatidylinositol 3-kinase p110 beta	h	S67334	1	>100	N8	p67 (isoprenylated 67 kDa protein)	r	M80367	1	98.2	T13
Phosphatidylinositol 3-kinase p170	m	U55772	1	65.9	N9, R	Phosphatase 2A B56	h	L42373	2	50.6	T14
Protein tyrosine phosphatase delta (MPTP4)	m	D13903	1	1.9	R	Pkb kinase	r	Y15748	1	19.9	T15
ROK alpha	r	U38481	1	26.1	N10	R-esp2	r	L14463	1	>100	T16
Serum inducible kinase (SNK)	m	M96163	1	>100	N11, R	Rnp1B GTP binding protein	r	U07795	1	21.0	T17
SH3 binding protein (SAB)	h	AB005047	1	3.5	R	Ras-GTPase-activating protein	m	AB001927	1	9.9	T18
						RhoC	m	X80638	2	6.7	R
						SBF1 phosphatase	h	U93181	1	27.1	T19, R
						Sprouty 2 (SPRY2)	h	AF039843	2	11.60	T20, R
						TDAG51	m	U44088	1	2.7	T21
						Tyrosine phosphatase IA-2a	r	D38222	1	12.2	T22

Figure 2

Figure 2 (Continuation a)

Nuclear Proteins (Transcription Factors, DNA Processing Enzymes)

Nukleäre Proteine (Transkriptionsfaktoren, DNA Prozessierungsenzyme)

AHNAK nucleoprotein	h	M80902	2	>100	N12	Alpha-prothymosin	r	M60664	1	2.4	R
ATP-dependent RNA helicase	m	U46690	1	8.9	N13	BRCA1-associated RING domain protein (Bard1)	m	AF057157	1	3.5	T23
BRG-1 (brahma homolog)	m	S68108	1	13.1	N14	cdc-like kinase (clk)	m	L29221	1	13.1	T24
CCAAT/enhancer binding (C/EBP gamma)	r	X64403	1	16.6	N15	FEN-1 (flap endonuclease-1)	m	L26320	1	11.1	T25
Cdc21	m	D26089	1	3.9	R	Fra-1 (fos-related antigen 1)	r	M19651	3	>100	T26, R
Centromeric protein CENPC	m	U03113	1	39.2	N16, R	Histone acetyltransferase (GCN5)	h	AF029777	1	2.7	T27
Chromosome-associated polypeptide C (CAP-C)	h	AB019987	1	9.6	R	hNap56 nucleolar protein	h	Y12065	1	2.9	T28
DNA polymerase epsilon	h	AF036899	1	5.1	R	LAP1C (lamina-associated polypeptide 1C)	r	U19614	1	7.6	T29
DNA repair protein RAD50	m	U66887	1	3.4	N17, R	Myb-binding protein (P160)	m	U63648	1	5.9	T30
ERF1 transcription factor	h	U17163	1	9.6	N18	NF-1 transcription factor	m	U37635	1	71.8	T31
ETV TEA domain containing transcription factor	m	D50563	1	7.4	N19	p100 transcriptional coactivator	h	U83883	1	4.9	R
Gli binding protein	h	U78524	1	41.7	N20	PEBP2b2	m	D14571	2	45.4	T32
HIC retinoblastoma-associated protein	h	AF017790	1	3.9	N21, R	RB (retinoblastoma protein)	r	D25233	1	6.5	T33
Helicase p68 (HUMP68)	h	AF015812	2	>100	N22, R	SA-1 (stromal antigen)	m	Z75332	1	89.1	T34, R
Histone H13.3	h	Z48950	2	5.8	R						
Ki67 antigen	m	X82786	1	>100	N23, R						
LAP2 (Lamina associated polypeptide 2)	r	U18314	4	>100	N24, R						
Mouse zinc finger protein	m	D45210	1	5.6	N25						
mTFE3 (X-linked transcriptional activator)	m	S76673	1	3.6	R						
Nuclear autoantigen GS2NA	h	U17989	1	31.9	R						
Nucleoporin 155	h	AJ007558	1	15.2	N26						
Poly(ADP-ribose) glycohydrolase (hPARC)	m	AF079557	1	2.4	R						
Raf4 transcription factor	m	U95141	2	64.9	R						
Single strand DNA-binding protein	h	AF077048	1	4.9	R						
STAT5a1 transcription factor	r	U24175	1	1.8	N27						
Topoisomerase I	m	D10061	1	20.1	R						
Topoisomerase II	r	Z19552	3	2.1	R						

Figur 2 (Fortsetzung a)

Proteinprozessierung, Proteintransport und Proteinfaltungsmoleküle

26S proteasome subunit p55	h	AB003103	1	3.5	N28	Aminopeptidase P (APP)	r	AF038591	2	5.6	R
GRP94/endoplasmic	m	S69316	1	2.2	R	Chaperonin containing TCP-1 epsilon (CCT)	m	Z31555	2	2.2	T35, R
Heat shock protein 105	m	D67016	1	15.1	N29	Exportin	h	AF039022	4	48.5	T36
Heat shock protein 90	h	X15183	1	4.8	N30, R	GRP75	r	S78556	2	2.1	R

Protein Processing, Protein Transport and Protein-folding Molecule

Figure 2 (Continuation b)

Metabolic Enzymes, Transporters and Ion Channels

MCT-160 (Golgi apparatus sialoglycoprotein)	r	U08136	1	2.3	R	HAUSP (herpes ass. ubiquitin-specific protease)	h	Z72499	1	28.8	R
Rsec6	r	U32575	1	56.0	N31	Importin alpha Q1	m	AF020771	1	10.6	R
Translocation protein-1	h	D87127	1	>100	N32	MPPB (mitochondrial processing peptidase beta)	r	L12965	1	4.3	R
						Ran-GTPase	m	S83456	1	19.7	T37
						Sec61	r	M96630	2	29.2	T38, R
						Sort1 (sortilin)	h	X98248	1	10.5	T39
						Translation initiation factor 3	h	U94855	1	5.7	T40, R
) Metabolische Enzyme, Transporter, Ionenkanäle											
3-hydroxysteroid dehydrogenase isomerase	r	S63167	4	5.0	R	4F2hc intestinal type II membrane glycoprotein	r	U59324	4	2.9	T41
3-hydroxy 3-methylglutaryl coenzyme A synthase	r	X52625	2	12.7	R	ABC transporter MOAT-13	h	AF071202	1	10.8	T42, R
Aldehyde dehydrogenase	r	J03637	1	37.8	N33	Acyl-CoA synthetase I	r	D30666	1	4.1	R
Alpha-mannosidase II	m	X61172	1	6.3	R	Aldehyde reductase	r	D10854	1	4.0	T43
Antioxidant enzyme AOE372	m	U96746	1	1.8	N34	Asparagine synthetase	r	U07201	4	15.3	R
AP56 (acetaminophen-binding protein)	m	S56599	1	58.7	R	ATP citrate-lyase	r	J05210	2	3.1	R
Apobec-1 binding protein 1	h	U76713	1	>100	N35	Bleomycin hydrolase	r	D87336	2	8.5	T44, R
CaBP1 (calcium binding protein)	r	X79328	2	4.7	N36	ClC-6n (chloride channel)	h	X99473	1	19.6	R
Calcium channel beta subunit-III	r	M88751	1	18.8	N37	Farnesyl pyrophosphate synthetase	r	M34477	2	3.3	T45, R
Dihydropyrimidinase related protein-3	h	D78014	1	2.3	R	Glucose-6-phosphate dehydrogenase	r	X07467	1	2.4	R
Glutamine synthetase	r	M91652	3	10.4	R	Glutathione reductase	r	U73174	1	2.7	T46, R
NADH dehydrogenase chain 5	r	X14848	1	2.5	R	Glv-1 (leukemia virus receptor 1)	m	M73696	2	22.2	R
NADH dehydrogenase chain 6	r	X13220	1	5.3	R	MCT1 monocarboxylate transporter	r	X86216	1	7.5	R
NADP transhydrogenase	m	Z49204	1	12.3	N38	Mitochondrial trifunctional protein	r	D16478	1	2.4	T47
Phosphatidate phosphohydrolase type 2	r	U90556	1	6.2	N39	Non-neuronal enolase (NNE)	r	X02610	5	2.5	R
Selenoprotein P	r	M63574	2	31.8	N40	NPC-1 protein	m	AF003348	1	3.1	R
						Phosphoglycerate mutase type B	r	S63233	4	5.6	R
						Stenoyl-CoA desaturase 2	r	AF036761	1	7.5	R
						Transcript ass. with monocyte differentiation	h	X85750	1	8.2	T48
						Transporter protein (g17)	h	U49082	1	4.2	R
						X-chromosome linked phosphoglycerate kinase	r	M31788	1	2.9	R

Figur 2 (Fortsetzung b)

Figure 2 (Continuation c)

Cytoskeleton Components-Molecule Involved in Adhesion and Cell-Time Interaction

Cytoskelett-Komponenten-Moleküle beteiligt an Adhäsion und Zell-Zell-Interaktion

ADP-280 (actin-binding protein / filamin)	h	X53416	1	5.8	R	Arp3 (actin-related protein 3)	h	AF006083	3	3.3	T49, R
Alpha-actin	r	X06801	5	4.2	R	Calcium-binding protein pp52 / LSP1 / WP34	m	M89956	2	29.7	T50, R
Cadherin-11	m	X77557	1	11.7	R	Calponin	r	U06755	1	5.2	R
Caldesmon	r	U18419	3	37.7	N41	CD44 glycoprotein	r	M61875	1	17.0	T51, R
Cytchesin-2	r	U70728	1	>100	N42	Laminin receptor	m	J02870	5	4.1	R
Gas-1	m	X65128	1	10.4	R	Leukocyte adhesion protein p150,95	h	Y00093	2	5.2	R
HSPG core fibroglycan (syndecan-2)	r	M81687	1	61.9	N43, R	MAGE-B gene cluster	h	U93163	2	15.3	T52
huEMAP microtubule associated protein	h	NM004434	1	26.9	N44	Myosin regulatory light chain	r	D14688	1	6.9	R
hH.C-2	r	S77900	2	2.6	N45, R	TA1 oncofetal gene	r	U00995	2	1.9	T53
E-cadherin	m	X06340	1	60.1	N46	Thymosin beta 4	r	M34043	1	2.4	T54, R
Paraplannin	r	U96449	1	9.4	R						
Ryudocan	r	S61868	6	27.7	N47, R						
Thopomyosin 4	r	Y00169	1	7.8	N48, R						
TRPM-2 / clusterin	r	M64723	1	39.4	N49						
Vimentin	r	X62952	1	1.6	R						

Figur 2 (Fortsetzung c)

Extracellular Proteins

Extrazelluläre Proteine

Collagen alpha1	r	Z78279	34	22.3	R	MMP-1 (Collagenase)	r	M60616	19	>100	T55, R
Cyr61 (immediate-early gene)	m	M32490	4	16.0	N50, R	MMP-3 (Stromelysin 1)	r	X02601	7	32.3	T56, R
Entactin/Nidogen	m	X14194	14	35.8	N51	MMP-10 (Stromelysin 2)	m	X05083	12	33.8	R
Fibrillin-1 (Fbn1)	m	U22493	1	3.3	R	Mob-1	r	U17035	2	2.4	T57, R
Fibronectin	r	X15906	25	>100	N52	Testin	m	X78990	1	8.9	T58
FISP-12	m	M70642	2	49.4	N53						
Follistatin-related protein; TSC-36	r	U06864	5	2.0	N54, R						
Laminin B1	m	M15525	1	5.0	R						
Lysyl oxidase	r	U11038	14	9.2	R						
Lysyl oxidase-related protein (WS9-14)	h	U89942	1	59.2	N55, R						
Megakaryocyte potentiating factor	m	D86370	3	6.0	N56						
MGF (mast cell growth factor)	m	U44725	1	13.4	N57						
MMP-2 (Gelatinase A)	r	U65656	3	50.6	N58, R						
Thrombospondin 1	m	M62470	25	42.5	R						
TMMP-2 (inhibitor of metalloproteinase 2)	r	S72594	1	18.3	N59, R						

Figure 2 (Continuation d)

Others

Andere											
AAC11 (anti-apoptotic gene)	h	U83857	2	3.1	N60	Annexin IV	m	U72941	1	57.8	T59, R
Ania-6 (activity and neurotransmitter-ind. gene G)	r	AF030091	1	10.2	R	B-cell receptor associated protein 37 (BAP 37)	m	X78683	2	42.8	T60, R
Antiquitin	h	S74728	2	7.4	N61, R	BC-2 protein p32	h	AF042384	1	2.8	T61, R
ATP-dependent metalloprotease FtsH1	m	AF090430	1	21.3	R	BCSC-1 (breast cancer suppressor candidate 1)	h	AF002672	1	6.9	T62
CBP20 (CAP-binding protein)	h	X84157	2	5.0	R	BP-1 (similar to Lysyl hydroxylase isoform 3)	r	M18864	1	2.6	T63
Collapsin-2	c	U28240	1	>100	N62	C29 keratin-1 related	m	AB013607	1	6.4	R
DOC-2; p96 Phosphoprotein	r	U95177	1	>100	N63, R	Calmodulin (RCM3)	r	M19312	2	2.8	T64
E124 (p53 responsive gene)	m	U41751	4	5.5	N64	E1B 19K/Bcl-2-binding protein homolog (Nip3)	m	AF041054	1	63.0	T65
eIF-4AII protein synthesis initiation factor	m	X56953	1	3.9	R	F1s353 activated in colon tumors	h	AB024704	1	2.3	R
H411 precursor	ha	AF046870	1	>100	N65	Glycyl-tRNA synthetase	h	U09510	1	12.0	R
Interferon induced gene	r	X61381	1	>100	N66	HR23FB2216 rat fetal brain gene	r	AB015345	1	2.9	T66
KIAA0045 (myeloblast)	h	D28476	1	16.3	R	Insulinoma Gene (rig)	r	M19393	1	1.6	T67
KIAA0128 (myeloblast)	h	D50918	1	33.8	R	KE04p protein	h	AF064093	1	16.0	T68
KIAA0235 (myeloblast)	h	D87078	1	4.8	R	KIAA0013 (myeloblast)	h	D87717	1	3.2	R
KIAA0259 (myeloblast)	h	D87448	1	3.6	R	KIAA0310 (brain)	h	AB002308	1	6.0	R
KIAA0332 (brain)	h	AB002330	1	20.8	R	KIAA0431 (brain)	h	AB007891	1	10.7	R
LINE1 retroposon (ORF2)	r	X53581	5	20.2	R	KIAA0525 (brain)	h	AB011097	1	2.5	R
LINE1 (LINE 1 repetitive sequence)	r	M60824	1	26.2	R	KIAA0544 (brain)	h	AB011116	1	2.9	R
Mama gene	r	AF065438	1	14.5	N67	KIAA0595 (brain)	h	AB011167	1	9.4	R
Osteoglycin	m	D31951	5	2.7	R	KIAA0597 (brain)	h	AB011169	1	2.9	R
p53BP2 (p53 binding protein)	m	U58881	1	10.3	R	LIM protein FHL2	m	AF055889	1	4.2	R
PEDP2a1	m	D14636	1	38.4	N68	LIM-protein FHL3	h	U60116	1	7.3	T69
pMEM2 (maternal embryonic message gene 2)	m	X95350	1	29.4	N69	MAM domain protein	x	XLU37376	1	>100	T70, R
SFRS7 splicing factor	h	L41887	2	10.4	R	Mu-calpain large subunit (cls1)	r	RNU53858	1	28.7	R
WDNM2	r	X17464	1	>100	N70	Neurin	r	RNU88958	1	1.8	R
Zinc-finger domain-containing protein	h	U90654	1	7.8	R	ORP150 (150 kDa oxygen regulated protein)	r	U41853	1	9.3	T71
ZNF216 zinc finger protein	m	AF062071	1	6.7	R	PHD finger protein 2 (P11F2)	h	NM_0053921	1	2.1	R
						Rsc3 (rat spinocerebellar ataxia type 3 gene)	r	Y12319	1	55.5	T72
						Seryl tRNA synthetase	h	M88136	3	2.4	R
						Synexin (annexin VII)	m	L13129	1	2.2	R
						TACC2	h	AF095791	1	2.3	R
						TSG101 (tumor susceptibility protein)	m	U52945	2	2.2	T73
						Tyrosine phosphatase-like protein 1A-2n; PTP35	r	U40652	11	74.9	T74, R

Figur 2 Fortsetzung d)

7/15

Figure 2 (Continuation e)

Expressed Sequence Tags (EST)

Down-adjusted ESTs

Up-adjusted ESTs

Exprimierte Sequenz Tags (EST)

herabregulierte ESTs				heraufregulierte ESTs	
ESTAA003402	ESTAA276763	ESTAA674746	ESTAA859477	ESTAA066174	ESTAA925028
ESTAA028510	ESTAA276806	ESTAA681418	ESTAA859644	ESTAA079499	ESTAA943118
ESTAA033320	ESTAA286358	ESTAA710096	ESTAA859740	ESTAA182063	ESTAA945179
ESTAA067238	ESTAA289129	ESTAA722531	ESTAA863640	ESTAA417685	ESTAI007739
ESTAA086563	ESTAA372927	ESTAA726511	ESTAA864031	ESTAA571144	ESTAI031015
ESTAA122792	ESTAA399748	ESTAA734740	ESTAA882328	ESTAA589539	ESTAI044161
ESTAA153720	ESTAA412823	ESTAA743557	ESTAA891207	ESTAA616986	ESTAI234525
ESTAA154450	ESTAA462855	ESTAA752120	ESTAA893976	ESTAA792426	ESTD76796
ESTAA161894	ESTAA497642	ESTAA759531	ESTAA899090	ESTAA798353	ESTHSAC001070
ESTAA163325	ESTAA516974	ESTAA764153	ESTAA899584	ESTAA800034	ESTW20810
ESTAA163444	ESTAA517260	ESTAA789552	ESTAA900577	ESTAA801415	ESTW65969
ESTAA170629	ESTAA517339	ESTAA793073	ESTAA901340	ESTAA847689	
ESTAA200452	ESTAA572112	ESTAA799790	ESTAA924035	ESTAA850112	
ESTAA203784	ESTAA575630	ESTAA800749	ESTAA986886	ESTAA850123	
ESTAA245968	ESTAA589518	ESTAA800908	ESTAI230694	ESTAA853333	
ESTAA266966	ESTAA607513	ESTAA801125	ESTI135777	ESTAA858918	
ESTAA267114	ESTAA646710	ESTAA817802	ESTW97088	ESTAA859425	
ESTAA268366	ESTAA667811	ESTAA819247		ESTAA891266	
ESTAA270146	ESTAA674143	ESTAA851788		ESTAA924000	
Neue Sequenzen					
25 neue Sequenzen				20 neue Sequenzen	

New Sequences

25 New Sequences

20 New Sequences

Figur 2 (Fortsetzung e)

Figure 3

Sequence Identity (Genbank/EMBL)	Expression Strength	Sequence Identity (Genbank/EMBL)	Expression Strength
	208F FE8 FE8 +PD		208F FE8 FE8 +PD

Sequenzidentität (Genbank / EMBL)	Expressionsstärke			Sequenzidentität (Genbank / EMBL)	Expressionsstärke		
	208F	FE8	FE8 +PD		208F	FE8	FE8 +PD
3-hydroxy 3-methylglutaryl coA synthase	+++	+	+++	Bleomycin hydrolase	+	+++	++
ABP-230 (actin binding protein / filamin)	+++	++	+++	BRCA1-associated RING protein (Bard1)	0	+	+
Alpha-actin	+++	+	+++	E1B 19K/Bcl-2-binding protein (Nip3)	0	+++	++
Antioxidant enzyme AOE372	++	+	++	Exportin	+	+++	++
AP56 (acetaminophen-binding protein)	++	0	++	FEN-1 (flap endonuclease-1)	0	+++	+
Cdc21	++	0	+++	FKBP51 (T-cell-specific immunophilin)	0	+++	+
Centromeric protein CENPC (<i>c</i>)	+++	0	++	FLP (FLICE-like inhibitory protein)	0	++	0
Collagen alpha 1	+++	+	+++	GEF-H1	0	+++	+
CSF-1 (colony stimulating factor 1)	++	0	++	LAP1C (lamina associated polypeptide 1)	0	+++	0
DOC-2; p96 phosphoprotein	++	0	+++	MAM domain protein	0	+++	+
ER31 transcription factor	+++	+	++	MAP-kinase phosphatase (cpg21) (<i>c</i>)	0	+++	+
ETF transcription factor	+++	0	++	MMP-10 (Stromelysin-2) (<i>d</i>)	0	+++	0
Fibronectin	+++	+	+++	MMP-5 (Stromelysin-1)	0	+++	0
Follistatin-related protein; TSC36	++	+	+++	Myb-binding protein (P160)	+	+++	+
GRP94 / endoplasmic	+++	+	+++	NF-1 transcription factor	0	++	0
Gu binding protein	+++	0	+	Non-neuronal enolase (NNE)	+	+++	++
Heat shock protein 90	++	0	++	ORP150 (150 kDa oxygen regulated)	+	+++	+
HSPG core fibroglycan (syndecan-2)	+++	0	++	p67 (isoprenylated 67 kDa protein)	0	+++	+++
Interferon induced gene	+++	0	++	PkB kinase	0	+++	+
L1 retroposon (ORF2)	+++	0	++	Rap1B GTP binding protein (<i>c</i>)	0	+++	+
Laminin B1	+++	+	++	Ras-GTPase-activating protein	0	+++	+
Lysyl oxidase	+++	0	+	RscA3 (rat spinocerebellar ataxia gene)	0	+++	+
Lysyl oxidase-related protein (WS9-14)	++	0	+	SA-1 (stromal antigen)	0	++	+
Mama gene	+++	0	+	Sort1 (Sortilin)	0	+++	++
MMP-2 (Gelatinase A)	+	0	+++	TSG101 (tumor susceptibility protein)	++	+++	++
mTFE3 (transcriptional activator)	++	+	++				
Nuclear autoantigen GS2NA	++	0	+++				
Osteoglycin	++	0	++				
P5 protein	+++	+	++				
P-cadherin	++	0	+++				
Phosducin-like protein (PhLP)	+++	0	+				
Serum inducible kinase (SNK)	+++	0	++				
STAT3a1 transcription factor	++	0	+++				
Thrombospondin 1	+++	0	+				
TIMP-2 (inhibitor of metalloproteinase 2)	+++	+	++				
TRPM-2 / clusterin (<i>b</i>)	+++	+	+++				

Sequence Identity (Genbank/EMBL)	Expression Strength			
	208F	FE-8	208F	208F
		H-Ras	K-Ras	N-Ras

Sequenzidentität (Genbank / EMBL)	Expressionsstärke			
	208F	FE-8	208F	208F
		H-ras	K-ras	N-ras
ABC transporter MOAT-B	0	++++	0	+
BCSC-1 (breast cancer suppressor candidate 1)	+	++++	0	+
Cyclooxygenase 1	+	++++	+	+++
E1B 19K/Bcl-2-binding protein (Nip3)	0	++	++++	++
EST AA743557	++++	+	0	++
EST AA792426	+	++++	+	+
EST AA924000	+	++++	+	++
ETF TEA domain containing transcription factor	++++	0	++	++
Farnesyl pyrophosphate synthetase	+	+++	0	+
FEN-1 (flap endonuclease-1)	0	++++	+	0
FLIP (FLICE-like inhibitory protein)	0	+	++	++++
JAK1 protein tyrosine kinase 1	+	++++	+	+
MAGE-B gene cluster	0	++++	0	0
MAP-kinase phosphatase (cpg21)	0	++	+++	++++
MARCKS	++++	0	+	+++
MMP-10 (Stromelysin 2)	0	++	++	++++
Mob-1 (l)	0	++++	++	+
mIFE3 (X-linked transcriptional activator)	++++	0	+	+
Myb-binding protein (P160)	+	++++	++	++
novel transcript N317	++++	0	++	++++
P-cadherin (p)	++++	0	0	++
Phosphatidylinositol 3-kinase p170	+++	0	+	++
Ras-GTPase-activating protein	0	++++	0	0
SBF1 phosphatase	0	++++	+	+
Serum inducible kinase (SNK) (ti)	++++	0	+++	+++
Tyrosine phosphatase LA-2a (l)	0	++++	0	++

Figure 4

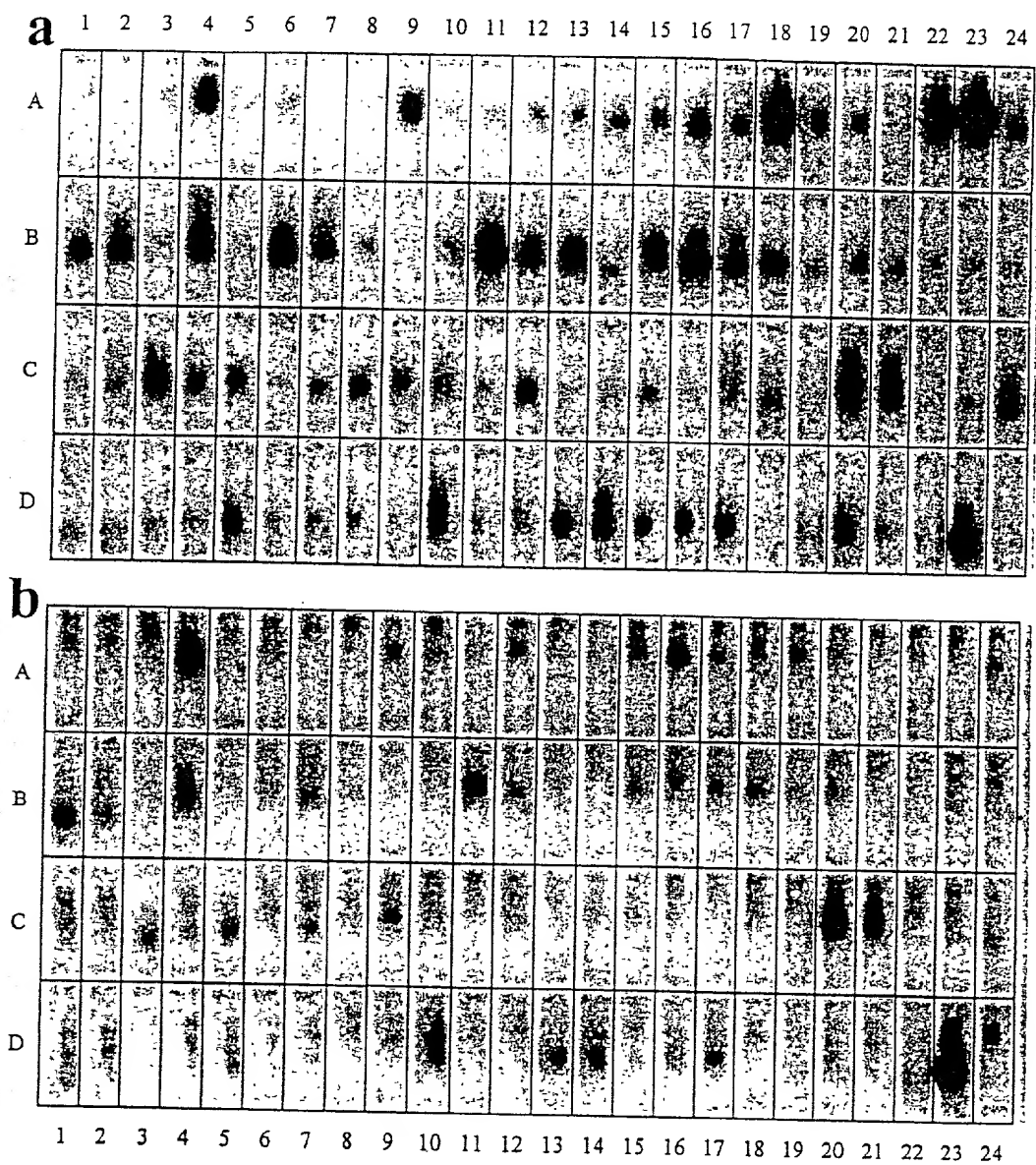


Fig. 5



Fig. 6

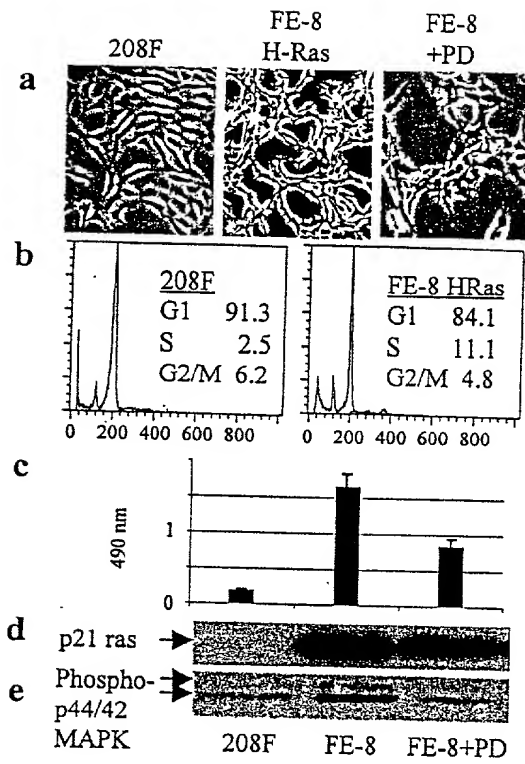


Fig. 7

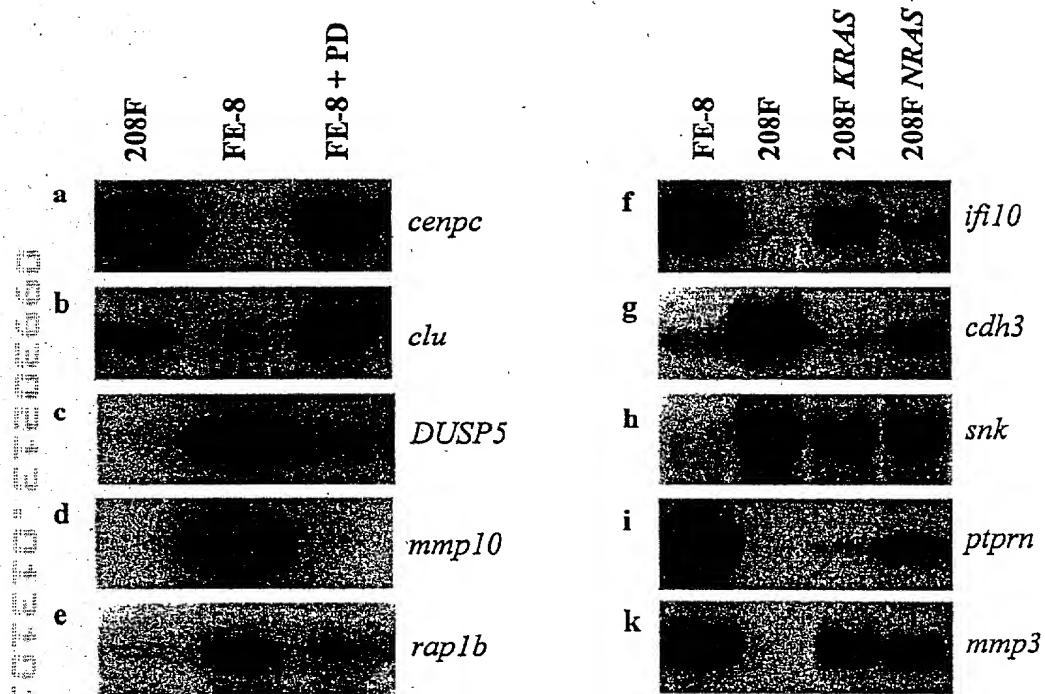


Fig. 8

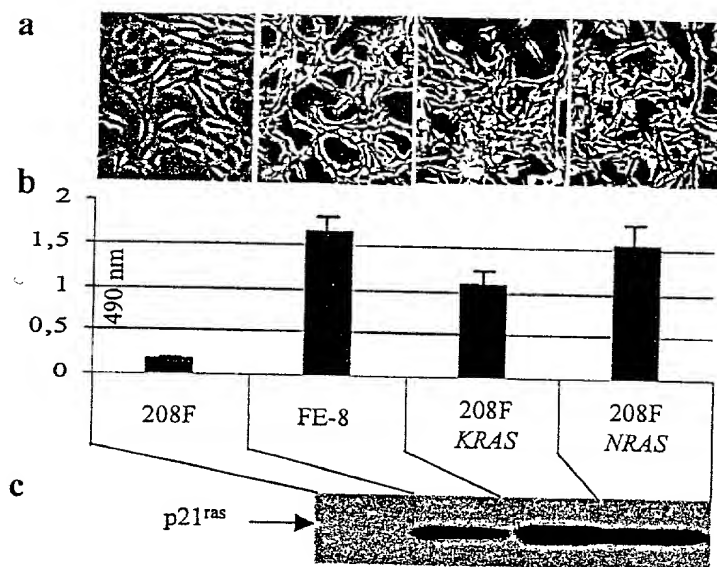


Fig. 9

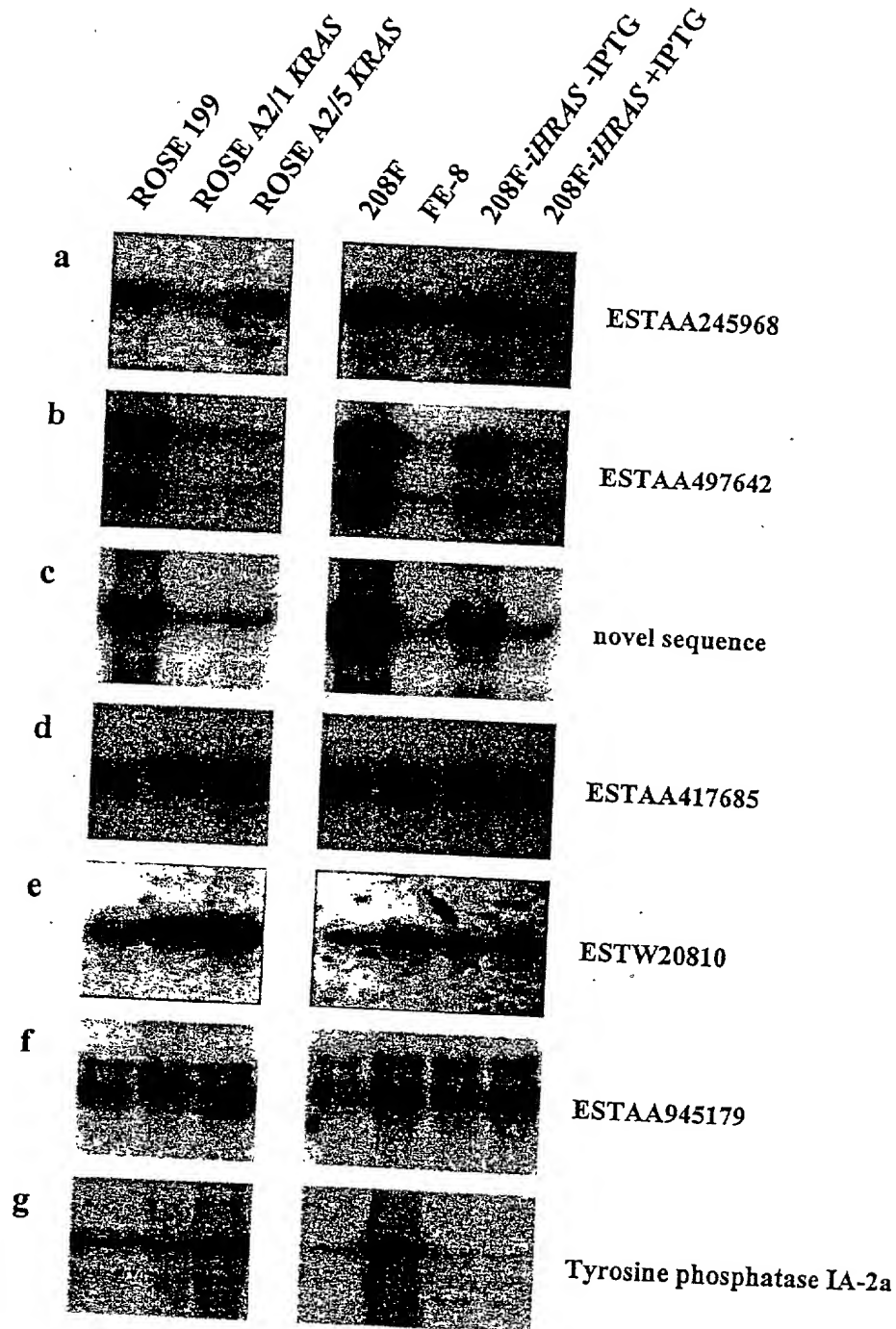


Fig. 10

Figur 11

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11

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Name: N98 Len: 255 Check: 2140
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gcaaaccata tgttgttagc ctctgtggtta ctgcttaact gcaaacctgt tgagtaatca 180
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aaggagagat aaatt 255

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tagaaactat agcaa 255

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31

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ctttagccaa acact 255

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Name: T234 Len: 46 Check: 12EE
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Name: T235 Len: 255 Check: 206E
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Name: T246 Len: 254 Check: 874
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Name: T247 Len: 255 Check: DC4
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Name: T249 Len: 254 Check: FA1

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Name: T25 Len: 255 Check: C40

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Name: T252 Len: 255 Check: 845

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Name: T253 Len: 220 Check: 990

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Name: T28 Len: 255 Check: 101C

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Name: T30 Len: 255 Check: 6D7

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ttct 124

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Name: T49 Len: 255 Check: 4E4
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Name: T5 Len: 255 Check: 25B0
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Name: T50 Len: 166 Check: 12C8
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aagcatactg antntgcacc tatnctgtct cccanagagt cttgnn 166

Name: T51 Len: 255 Check: FE7

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acctgtccat cttca 255

Name: T52 Len: 255 Check: 6B

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acagtgatec taaaa 255

Name: T53 Len: 255 Check: 23D4

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tggtggcctga ggccctggtct ttctgacttt ggggactgcc acatctgggc tttctcctct 120

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cggctctgag nggga 255

Name: T54 Len: 255 Check: 18A6

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caoccagntt tttccttnac caacatgcaa gttcttttcc ctntctgcca nccaggccag 240

naggtgggcy gcana 255

Name: T55 Len: 255 Check: F10

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Name: T56 Len: 255 Check: 113D

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tcttgagaga ttttc 255

Name: T57 Len: 241 Check: 9CF

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atcagaata ctacagga cctagacatg catgnttaaa tattatttta tgaccgactg 240

t 241

Name: T58 Len: 255 Check: 529

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naagccaaga anacc 255

Name: T59 Len: 252 Check: 1323

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aaaaatgaag ttaaaaaacaa aatcagtggt aagaagcctt ccgtcctgca ccttgctttt 180

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tgataaaaaga gt 252

Name: T6 Len: 255 Check: 1778

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ttaaaccaaa aaact 255

Name: T60 Len: 242 Check: 1F8C

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aa						242

Name: T61 Len: 255 Check: 1C6F

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gcaatgggtg	atgag					255

Name: T62 Len: 255 Check: 705

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Name: T63 Len: 183 Check: 61A

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gcc						183

Name: T64 Len: 183 Check: 20D3

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ngt						183

Name: T65 Len: 255 Check: 1711

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agtggagttt	gtgggtaacc	ttantctctc	cttgctactg	aattcataaa	gnaagaggcc	180
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attccttttg	ggaaa					255

Name: T66 Len: 245 Check: 2607

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ccagt						245

Name: T67 Len: 166 Check: 1820

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agaccacctt	tagggacatg	atcattctgc	ccgagatggg	cggcag		166

Name: T68 Len: 194 Check: 2479

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Name: T69 Len: 239 Check: 1C69

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Name: T7 Len: 219 Check: 348

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Name: T70 Len: 255 Check: 118A

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Name: T71 Len: 255 Check: 1207
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Name: T72 Len: 255 Check: 1D27
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Name: T73 Len: 255 Check: 1B16
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Name: T74 Len: 255 Check: 191
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Name: T75 Len: 255 Check: D2A
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ccctgatgcc tatga 255

Name: T76 Len: 107 Check: 197E
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Name: T77 Len: 163 Check: 1460
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Name: T78 Len: 255 Check: 2688
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Name: T79 Len: 255 Check: 89
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Name: T8 Len: 255 Check: 12E4
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Name: T80 Len: 255 Check: 1960
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Name: T81 Len: 255 Check: 963
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Name: T82 Len: 255 Check: 553

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Name: T83 Len: 255 Check: 1670

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Name: T84 Len: 255 Check: 121B

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Name: T85 Len: 255 Check: 203E

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Name: T86 Len: 255 Check: 1D97

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Name: T87 Len: 197 Check: 68E

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Name: T88 Len: 255 Check: 16C2

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Name: T89 Len: 255 Check: 15DC

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Name: T9 Len: 255 Check: B94

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Name: T90 Len: 255 Check: 2E2

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 agccgaatta cagcttgagg t 81

Name: T92 Len: 149 Check: 231F
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Name: T93 Len: 255 Check: 14F3
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Name: T94 Len: 255 Check: 138B
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 cttctaacac aatgtctgag gcttcaatca ccttttttaag ttcttgacaa tgtaacttct 120
 ttggattctg ttgacctgat ttagctttct ttattttggg ctcatcagat tctcctgag 180
 ttccacatt agattgctca tcatcagggc taatttcaag ntttctttt cgttcttggg 240
 ctttttgctt gtcaa 255

Name: T95 Len: 255 Check: 15A9
 atccagtgcc catggatgcg ggtttttggt tttgttcagg ctgtgagaag ttacacgctg 60
 gtcagctgac ttttcttttc tgagagaato acctctcaaa tgctttcctg tgctccctga 120
 gggcctcctg gctgggtgca ggtttctgtt ttactgggtg tctgggctgg ctgggtgctt 180
 gttatcactt gatagaaaga atagaaaatg tttctactct taccctgcta gcgttgagta 240
 gtgttaaatc ctata 255

Name: T96 Len: 255 Check: 1353
 atccgcctaa ccggggcccc gcccaaggaa aagaaccgga aaccgggaaa atcctgcaac 60
 aaagccaaca acaaaaaagg aagggaagggg ccgggcagtg ccaagactga tggctgtcag 120
 ggcaagtgca attctagact gagcatgggt ttctggaaca gatgatcttg gatgatcagg 180
 aatccgagga cctggaccgt ccattcattga gccaccagtt tgctggagca cagacatggg 240
 tgttctagca ctccc 255

Name: T97 Len: 255 Check: 1E90
 acctcagaga acccaggcca gggcagatca ctgagtgcac cttcctgctt aggcagggct 60
 gctctcggac ctatgcagct tatctgatgt caggttggtg ccatagcctt tgtgaacttc 120
 ttgaccccag agctattttg tgaggtttgt atgagaagtg tgtggacaac aacctcaggt 180
 ttatcagatg tatttagtag tagggcaaga ggatctcatc tcgatttctg ntccctttt 240
 cttagttcca tacat 255

Name: T98 Len: 255 Check: 1ECE
 ttcggttttc gagcgccgc cggggcaggt actccttaga gccagttgct gcagaactca 60
 aatctctgct gggcaaggat gttctgttct tgaaggattg tgtgggctca gaagtagaga 120
 atgctgtgct caaccagcg gctgggactg tcatcctcct ggagaacccc ccccttcaag 180
 gaaaagazaa aaggaaggga aaagatgctt ctgggaacaa ggttaaagct gagccagcta 240
 aaattgatgc ttccc 255

Name: T99 Len: 255 Check: 134E
 accttgcca tcnacntcca ggaancngtg ggggaagaac gagagggncc acaccaaccc 60
 ngganccttn cggaagcaca ctcanacngc agnctcncc ganacnggag nggcnnnag 120
 acccaacaan aagangngc annngngngn caaacngcct ngggnnnnng gaggaaanga 180
 agcngnncca annngagngc acaagggngc ggaaagnncc ngncnngang naaaannagn 240
 gncctgnan aannn 255

Figur 12

Name: 1 Len: 459 Check: 2459
 NAAGCCCTTC ATCGATTTAT AGAGCTTTTC AGAGTGATGG TTTCTCGAGC AGAAATTGAC 60
 ATGTTGGATA TCCGGGCACA CTTCAAGAGA CTCTATGGAA AGTCTCTGTA CTCGTTTCATC 120
 AAGGGTGACA CATCTGGAGA CTACAGGAAA GTACTGCTTG TTCTCTGTGG AGGAGATGAT 180
 TAAAATAAAA ATCCCAGAAG GACAGGAGGA TTCTCAACAC TTTGAATTTT TTTAACTTCA 240
 TTTTCTACA CTGCTATTAT CATTATCTCA GAATGCTTAT TTCCAATTAA AACGCCTACA 300
 GCTGCCTCCT AGGAATATAG ACTGTCTGTA TTATTATTCA CCTATNATTA GGTCCATTAT 360
 GGATGCTTTA AAGCTGTACT TGGCATTTC AAAGCNTATA AGGTTATAAT GGGAGGTTTT 420
 NAAAGTAGGA NTTAAATATG TATTCCCTGT TTTTAAAA 459

Name: 10 Len: 227 Check: 147B
 TTTAAGTGTG TTGCCTGTGA GTGTGACCTC GGAGGCTCTT CCTCAGGAGC TGAAGTCAGG 60
 ATNAGAAACC ACCAACTGTA CTGCAACGAC TGCTATCTCA GATTCAAATC TGGACGGCCA 120
 ACCGCCATGT GATGTAAGCC TCCATACGAA AGCACTGTTG CAGATAGAAG AAGAGGTGGT 180
 TGCTGCTCAT GTAGATCNAT AAATATGTGT NGTATGTCTT TTTNGCT 227

Name: 100 Len: 452 Check: 17BA
 TGTATCTTTG ATGAGGTTAG TTTTGGTATT ACAGCAAATT TTTTCTTCTC TGACAAATCT 60
 GTGCTGTGTT TATATTAACT AAATCTTTAA AAATACGAAT CCTGAGCTAG AGTAAAAACA 120
 ACAATTTTGA CTAAAGAATA AATCCCTTCA TTGTTAAACC TAAACAGCTT TAAAAATCAG 180
 CCATGGAACA TAAGATAAGA CTGGAATTCA AACTTCTGAT GTCCATGGCA AACCTGAATA 240
 CTCTCAGCAG AAATAAAACA CACATAGTAG ATAATACACA ATAGTAAAA GCATCAGAAA 300
 TTGATGCACC TGGATTTTGT TAAATACAAC AAAGGTCAC CAGTCTTCA TGGATAAACC 360
 TAGCTGGGAG AATAGCACTG AACAGTGTAT TGCATTGAGC AGAAATCCCT CAGAAAGGCA 420
 ACACTGGATT CATTTTTAGA CAGGCATAGA CT 452

Name: 101 Len: 447 Check: E33
 TTTTCAATC CTGATAGTTC TTTATTTTTT CAAAATATAT TTGCCATGGG ATGCTAATTT 60
 GCAATAGGTG TCATAATGAG AATAACCCAA ACTGGATAAA TGTGACAAAT GATTGACAAA 120
 GCATTTTACA CCCTTCAATT ACACCCATC AAGAATGAGG GGAAAGCGTT GTAAAAGTAG 180
 ACTACTGCAA TGCTACTTAT ATTCTTGCAA TAAAACCAGC AAGCATCCAT ATCAAGAGAG 240
 TTATCATCTC ACTTCCAAT TTTCCCTC AAGAACAATT TGAATCTCTT TGGCATCCAA 300
 AGTCTCATAG GTCAATAAAG CTTCTGCGAG ATTCTTATGC TCCTTTGCAT GAGTTTCAA 360
 GATATGTTTT GCTCGTTCAT ATGAGTCACT TAGAAGGATT CTTATTTTCA GTTCGATGGC 420
 AGATTGGGTT TCTGGACTTA GGTTCCT 447

Name: 102 Len: 368 Check: 1FEC
 TTTTITCAA AAAAGAAAT CTTTAATAA AAATTACTCA TAAAAATCCT AATAAATTTT 60
 AAAAGAGCAAG ATATTCCTTA TTACATTTAT AAAAGAACAT TTGGTCCTTT TACAAAAAGA 120
 TCCCTTTTAA TTTAAATACA TTTCTTATTT ACAGATTAAA CATAAATAT CATCTACAGT 180
 TGCAAAGCAT ATTGCACATT ACAGAGAAGC ATTTGTGTAT TTCCGTAAGT TTTCCAGAG 240
 TTTCCAACCT TATACTTTTT TTTGTAAAAA GATTTACCTT TCTTATGCAA AATAAATAA 300
 AATGCAGCTT GTGTTTTGCT ATTTAAAACT AAAACAAAAT AACCTTTAAA AATATTATTC 360
 CTCTGCCT 368

Name: 103 Len: 685 Check: 1890
 TGGGATCTTT TTTTATTTTT ATACACATGA CAAGATTTTA CACCAATAGT CAGTTAAATA 60
 GTACAAATTT ACATTCAGGA GGAATGTTAA AAAAAATTCA ACTAAAAAAA CCACTTCTTC 120
 CTGTGACCCA TAATCCCAAC ATTTTACAGT GCAGGGGAGA AGGAGGCTTG GGGAAAGCATC 180
 CAAAACAAGT CTCTCAAAG AAATGACTTC AAAACTTCAC ATTCCCTCTC CACACGGGAT 240
 TCATAGCGAG AGTATAATTT ACAATTCATC CTTCTCTGTA GATTCTTTT CTGTTTCTTC 300
 CTCTTCTTCT TCTGTCCCTG CATCCATCTC TTCTCCCTCA TCCTGCTCTG AGTCTTCTGC 360
 GTCTTCTGAG GTGTCTTCAA GGCTCTTCTT CTGGTCTTCT CTCCAATCTG GTTCAGGGG 420
 CAAAGGTTAA ACTGAGCGGA AGATTCTTTC CAATCGAACT CCATACGCCT TGGTGTCCGG 480
 TAGAAGATAA CCTGACCCAA GTGTTGACGG TTTCAAACAA AACTACAGCA AGAACCATGA 540
 CTGTCTGGC AACTTCAACG TCCTTAAATC GCGGGAAT GTCTCCGAAC AGGGGGGGGT 600
 CTGGAATGAG TTCGAACGTT TTCCTTAGAC CGGCATAGTA ATTTGTAGAG AAAGTCCTTG 660
 CCGGCCGGTA AGGCTGTGGC TTCAA 685

Name: 104 Len: 676 Check: EF6
 GCTCATTTTT AATTTTTTAT GATTTTTTAA TGCTGCACAA CACAATATTT ATTTCATTTT 60
 GAATTTTATT TATTTCTTTA TTTCTGTTGC TGCTTTTATT TTATTTACTG AAAGTGAGAG 120
 GGAATTTTGG TGGCCTTTTT TTCTTTTTTC TCTGTAGGC CGCCTTAAGC TTAATAAATT 180
 TGGAACATCT AAGCAAGCTG AAGGGAAGAG GGGTTTTTCA GAATCACTGG GGGAAAAAGG 240
 AAAGGTTGCG GTGTTGATCA TGCCCTATGG TGGGTGACCA ACTGCTTGTA CAATTACGTT 300
 TCACTCTTAA TTAATTGTGC TTAAGGCTGA ATTAATTTG GGTGTTCCCT TCTTAGAGCA 360
 GCTCGTATTG GCGGAGATGC ATGCGCTGGA TGATGTCACG GCAGTCGTTG AAGACACGGC 420
 GGATGTTCTC AGTGTCCACG GCGCAGGTAA AGTGAGGGTA GCAGTAGTGG CGCCATCTCC 480
 ACTAGCAGTG CTGATTCTCA GAAACTCATC CCGAATGAAN GTACTTGGCC GGTTCACGGC 540

2

TGGGTCCTCT CCCGGCTCGG GAGTCGCATC CCTACAGAGT GTGTAGCGAG CGAACTCTGG 600
AAAGTAGTCC TCAATCTCGA TTTGCCACCG GGACTTCTCA GCAGCAGGTC TTGCTTGTGT 660
AGAAGAGATC ACAAGA 676

Name: 105 Len: 367 Check: 135E
GACGGGAAC TGAACGCGGT CTGGGAGCAG CAAGCCCACG GGTAGCAGCC GAGGCCCCAG 60
AATGGCCAAG TTTCTTTCCC AAGACCAAAT TAATGAGTAC AAGGAATGCT TCTCCCTGTA 120
TGACAAGCAG CAGAGGGGGA AGATAAAAGC CACCGACCTC ATGGTGGCCA TGAGGTGCCT 180
GGGGGACGCC CGACGCCAGG GGAGGTGCAG CGGCACTGCA GACCCACGGG ATAGACGGAA 240
ATGGAGAGCT GGATTCTCTC ACTTTTCTGA CCATTATGCA CATGCAAATA AAACAAGAAG 300
ACCCAAAGAA AGAAATTCTT CTAGCCATGT TGATGGTGGG CAAGGAGAAG AAAGGTTACG 360
TCATGGC 367

Name: 106 Len: 440 Check: 1B8A
GGTGTGCCTG GATGAGTGGT AGCGTCGGAA ATGAGGAGCA GAGGCGCAAA TTTTGCCCAG 60
CGCTCTGTAC CATGGAGAAG TTTGCTTCCT ACTGCCTCAC TGAACCAGGA AGTGGGAGTG 120
ATGCTGCCTC TCTCTGACC TCCGCTAAGA AACAGGGAGA TCATTACATC CTCAATGGCT 180
CCAAGGCCCTT CATCAGTGGT GCTGGTGAAT CAGACATCTA TGTGGTCATG TGCCGAACAG 240
GAGGACCAGG CCCCAGGCA TGCTCATGCA TAGTTGTTGA GAAGGGGACC CCTGGCCTCA 300
GCTTTGGCAA GAAGGAGAAA AAGGTGGGT GGAACCTCCA GCCAACACGA GCTGTGATCT 360
TCGAAGACTG TGCTGTCCCT GTGGCCAACA GAATTGGGAG CGAGGGGCAG GGCTTCCTCA 420
TTGCCGTGAG AGGACTGAAC 440

Name: 107 Len: 442 Check: 19D2
GCACACCTGT AGTCCTAGCT ACTCAGGAGG CTGAGGTATG AGAATCGCTT GAACTTGGGA 60
GCCGGAGTTA CAGTGAGCCA AGATTGCGCC ACTGCACTCC AGCCTGGGCG ACAGAGCGAG 120
ACCCTGTCTC AAAAAAAAAA AAAAAGATGA TGTAACTTC ACAGGGCAAG GTCTTGTGT 180
TTGCTCACCT CTGGGTTATG CTCATAAAAC AAGCTTTTGC CCATGTACCC TAAGTCAGAC 240
CCAAGAATGG TGTCTACCAA TGATTGTCTC TTGCCACTTA CCGTACGCAT ACAGAAAGTG 300
CGTGTGGTAA TCGGCATACA CAAAGAAGTC GTCCCTTTT TGTGTGTCCA GCACGGAATG 360
GCTGTTCTGG AAGTAATTTA ACACACTCAA AATGGTNGCG TTCGTGTTAT ACGGTGAAAG 420
AGGGGCCAAG CAGATGTCTT GA 442

Name: 108 Len: 453 Check: 6FD
GAGACTGCAT AGGGCTCGGC GTGGGGGGTA TTCTACTATT TTGTCASTGC CCTGGGCATA 60
ACAGCAGGAG CTCATCGTCT GTGGAGCCAC CGTCTTACA AAGCTCGGCT GCCCTACGG 120
CTCTTTCTGA TCATTGCCAA CACAATGGCA TTCCAGAATG ATGTCTATGA ATGGGCTCGT 180
GACCACCGTG CCCACCACAA GTTTTCAGAA ACACATGCTG ATCCTCATAA TTCCCGACGT 240
GGCTTTTCT TCTCTACGT GGTTGGCTG CTTGTGCGCA AACACCCAGC TGTCAAAGAG 300
AAGGGGAGTA CGCTAGACTT GTCTGACCTA GAAGCTGAGA AACTGGTGAT GTCCAGAGG 360
AGGTACTACA AACCTGGCTT GCTGATGATG TGCTTCATCC TGCCACGCT TGTGCCCTGG 420
TATTTCTGGG GTGAACTTT TCAAAACAGT GTG 453

Name: 109 Len: 421 Check: 1318
TTTTTTTTGT GCAGAAACAT TCTGAACATC AAAGCGGCCT ATTTTGTCTT CTGGATATGG 60
AACTCCTTGG GGATCAGAAT AGAAAGCTTC TAGCTCAAAA GGCCCCCTTC TCAGAAAGGT 120
GAGAACTTTG GAGAAAGGAG CAGCATGGTT TCGACTAAAG ACTTCATGAA CACCTTCAGT 180
ATCTTCTGAA TCTGTTTTC AGATCAGAGA TATTGAAAA GGAAGTGCAT CTGTGACGGA 240
AAATTCTCTA ACTTTAAATG CCGGGGAAAG TATTGCACAC TGTAAATGCAC ATCCTCTGGC 300
TACTGCTTCA TCTGCATTGA GTGTTGTGCT AATATCTTTT CCAAAGAATT TGGCAATTCT 360
TTCCTTCACA GCTGGAATTC GTGTAGCGCC TCCATCAATC TCTACTGCAC TCACATCTTC 420
T 421

Name: 11 Len: 621 Check: 23BA
CAGGGAAAA ATATGTTCTGA TNCCCCTGGT AACTGTCTCC TTATCTGCAA ANTGACATCC 60
CAACGGATTG CATGCCCTCG GCCTACTGCA AAGAATCAT CAACCTGGGG CCTGTGCATC 120
CCGGACCTCT GAGTCCAGAA CCCCACCCCA TGGGTGTCAG GGTTATCTGT GGACATGCA 180
AGAATACTTT TCTGTGGACA GAGTTCACAG ACCGCACTTT GGCACGTTGT CCTCACTGCA 240
GGAAAGTGTC ATCTATTGGG CGCAGATACC CACGTAAGAG ATGTATCTGC TGCTTCTTGC 300
TTGGCTTGCT TTTGGCAGTC ACTGCCACTG GCCTTGCCCTT TGNACATGGA AGCATGCACG 360
GCGATATGGA GGCATCTATG CAGCCTGGGC ATTTGTCTATC CTGTTGGCTG TGCTGTGTTT 420
GGGCCGGGCT CTTTAATTGG GCCTGTATGA AGGTCAGCC AACCTGGTCC AGAAATTCTC 480
CTGAAGCCTG ATGACCCACA GANCGGTGCC TTGGCCCTC CCTGGTNGGG ANCAGTTACA 540
CTACGAAGGA AGCTGGGGTA GTTAAAGGT CCGGGGCTTN TAAGAAGAAG CCAAGCAACT 600
TGCTTCCTTT CCCTGGGGAA A 621

Name: 110 Len: 309 Check: 1332
ATAAGAATGC CTGCTAGCAA GGGTTCAGC AAGGTGGTTG GTTGGTCTGT AAGTCAGTCT 60
TGAGTACTTG AAACAGTTCT GTGTTTGTTC TTTTCTCTTA GCGTTTAGAA TAGCCATCAT 120
TGTCTGCAA TAGGCAGAGC TATCACGTCC AGGAAAAATG AGGGAGGGAA CCACAGAGGC 180

3

AGCGTGAGAT CCAAATACAG CATTCAAAGG TAATTGGTCC AGTGGTGCCT GGGGAGGGAG 240
 GAAGGGTGAT ACTCCAGGGT TAGCCGTCTT CTTTTGGGGG TGTGTACAGC CGTTTTTTTC 300
 GTGGATCTG 309
 Name: 111 Len: 489 Check: 9C2
 CTACTACTAC TAAATTCGCG GCCGCGTCGA CGAAGAAGCA GGTATTTATT TTAATAAAGG 60
 AATGGTTGGT ATTCTAGTTA ATCAAGTAAT TCTTTTATTA GCAAGGCAGA AACTAGTGTT 120
 TTTCTATAAA CTTGAATGTT AATTGTACAG GTGTATTTTA CAATTTTTGT TTAATTAAAA 180
 AAATGTTACT ATATTAATAA TCAACCTGGT CAAAACCTTT CAGGTTTCTT CGTTTGAGTC 240
 AGTCGCCTTG ATTCAGAATG TCACGAGCCT TATGATATCA TGCTGAGGCG CCTTGCAAAT 300
 CCGACAATTA AGATCCTCCT AGACCTTGAG GTGATCAGCA TAAGAGGCCA GATCCCCCTG 360
 AGTCATCTAC ACCTAGCTTC ACCTTATTCT TTAAGGGGCA GAAAATTTGA GACGGTGATC 420
 GCCGTAACAG TAAATTTGGC TTACAATTGG GGCACCCCTC CGGTTTAGAA AGAGGAACAC 480
 CAGATTGAC 489
 Name: 112 Len: 563 Check: 1430
 GGACTCAGAA TTGATGAGAG ACATTTACAG CATGCACATT TTCCTTACTG AAAGGAAACT 60
 CACTGTTGGA GATGTGTATA AGCTGTGTGCT ACGTACTAC AATGAAGAAT GCAGAAACTG 120
 TTCCACCCCT GGACCAGACA TCAAGCTTTA TCCATTATA TACCATGCTG TCGAGTCCTG 180
 TGCAGAGACC GCTGACCATT CAGGGCAAAG GACAGGGACC TGAGGAGCCG AGCGAATAGC 240
 ATCTCCTCCC ACCTCCACC AGAGACGTCC TGTTTGAGCT GTCAGGTGTA ATATATGAAT 300
 TGACTTAAGT TAATATAAAT GTGTACATAA TCCACATTTG TAGTCAAGGA CGCAATCTCT 360
 TCCACACATG TGCAGTTGTC AGTTGGTACA TCTAAACTCC CTCCATCCTG ACTCACGTGG 420
 ACTTAGATAT GTTTTGTTTC TATTTTCTTC TATGTCAGTT TTTTATTCTT TGATGTTTAT 480
 GTCTTTTGTC CATCAGATCT CTGTGATAT CACATGGAAG GTTGTGCTCA GCCTGTGGG 540
 TCTCTTTCTT CCTGCACATA TAT 563
 Name: 113 Len: 587 Check: 2109
 TTTAGCCCTG TGGAAATTATC CTCAATTGCA CATCAGCTGG ATGAGGAGGA GAGGATGAGA 60
 ATGGCAGAAG GAGGAGTTAC TAGTGAAGAT TATCGCACGT TTTTACAGCA GCCTTCTGGA 120
 AATATGGATG ACAGTGGTTT TTTCTCTATT CAGGTTATAA GCAATGCCTT GAAAGTTTGG 180
 GGTTTAGAAC TAATCCTGTT CAACAGTCCA GAGTATCAGA GGCTCAGGAT CGATCCTATA 240
 AATGAAAGAT CATTTATATG CAATTATAAG GAACACTGGT TTACAGTTAG AAAATTAGGA 300
 AAACAGTGGT TTAACCTGAA TTCTCTCTTG ACGGGTCCAG AATTAATATC AGATACATAT 360
 CTGCACTTT TCTTGGCTCA ATTACAACAG GAAGGTTATT CTATATTTGT CGTTAAGGGT 420
 GATCTGCCAG ATTGCGACGT GACCAACTCC TGCAGATGAT TAGGGTCAAC AGATGCATCG 480
 ACCAAAACCT ATTGGAGAAG AATTAGCACA ACTAAAAGAG CAAAGAGTCC ATAAGACAGA 540
 CCTGGAACGA GTGTTAGAAG CACATGATGG CTCAGGAATG TTAGACG 587
 Name: 114 Len: 222 Check: 12B6
 TTTTGAATCA AAATTAACAT CAATATATAG ATTCTAGTAT ATTCTTCTTA AAGCCTTTAG 60
 AAAAGATAAA ATGACATTTT GCAACATATG CCAACTTCA TGTTTAGTGT ACACTTCTAA 120
 TTATTGGCAT AGAGGGATAT AACTGTTAAA TAACCTGAAA TGACACCATG CAATGGTGAA 180
 ACTACAGAAG TTGGTGAAAA GAAGTATTTA CATAATGTAA TA 222
 Name: 115 Len: 512 Check: 1EAB
 TTTTCTTGA TATGCATAGC TTTTCGGGGT TGGTATTAGA CATGGCTTTC GTAAATAATG 60
 CAGGTGTTT TGTCATGTGT CACTGCTGGC TCTGTGGCTT CCAGGTAAGC TGGCGGCAGT 120
 ACCTTATCTG GTACCTCAAC AGGTGTTGGC TCTTCAGATG TTAGCTCGGT GGACGTGACA 180
 TCGGTAGAAG GTTCTGCAGT TTCGGGGGAA TGTTCCGCGG ACAGTTCTGT CTCCTCTACA 240
 TCTTTGACTT CAAACTGTCC ACCCTCTTGG TCATCTGCAT GCTCTTTTTT GGA CTGCGGG 300
 TGAAGTACA CCTTGATGGC AATTTGCTGA GGTGCTCGT GCAGCGATGA GCGTCCGAG 360
 TCAGCGGCAG GGGAGTGGCT CCGCTTCAGA GAGTTGGGGA TTGTGTAGAC CTCATCCCTG 420
 TCTGCGGCCT CCTGGCCTCT GGAGTATGCC TCAAAAATTC TGCCCCGGTC CTCCAGCCCA 480
 ACCACCTCAT AATCTCCTCC ATGATAGTCC CG 512
 Name: 116 Len: 566 Check: A72
 TTTTTTTTTT GTTTTTTAAC CCCCCCGAG AAGCTCTGTC CCCAGCTGAT GCCCATGTTG 60
 GAAGAGGCTT TGCGGAGAGG AGCCCATACC AGCGCAAAGC TGANCTCCTG GTGCTGGCCG 120
 TGCTGTCTGA CGGAGCTGGC GACCACATCA GGCAGAGACT GCTGCCCCCA CTGCTGCAGA 180
 TTGTGTGCAA GGGCCTGGAG GACCCCTCGC AAGTTGTACG CAATGCTGCG CTGTTTGCCC 240
 TGGGCCAGTT CTCAGAAAAC CTACAGCCCC ATATCAGCAG CTATTCAAGG GAGGTAATGC 300
 CACTGCTCCT CGCCTACTTG AAGTCGGTGC CTCTTGACA CACACACCAC CTAGCCAAGG 360
 CCTGCTATGC CCTGGAGAAT TTTGTGGAGA ACCTAGGGCC CAAGGTGCAG CCCTACCTTC 420
 CGGAGCTTAT GGAATGCATG CTGCAGCTTC TGAGGAACCC CAGCAGTCCC CGGGCCAAGG 480
 AGCTGGCTGT GAGCGCCCTG GGAGCCATTG CTACGGCTGC CCAGGCCTCG CTGCTGCCCT 540
 ACTTCCCTGC CATCATGGAG CACCTG 566
 Name: 117 Len: 549 Check: 1602
 CCCTGTGCAA TGTTTAGCTC TCACCCCACT CCAAGTGCC ATAATTGAAA TAATACTGGT 60

4

TTGGAGAATT	AGTACAGATT	GGTCATAAAT	GCCGCATAAA	GTCCGTAGAT	CCAGGTAAAG	120
GTATTTCCAA	ATGGCGTAGT	AATGCACTGC	AGCTGCCGTG	GCCACAAACA	GGTGCCAGAT	180
GGCGTGCGCA	AATGGAATGA	TGCCATCACT	CTTGAAGAAC	ACAACTCCCA	AGCAATAAAT	240
TAAGCCCCCA	CAGGCAAGTT	CCTGAAGTCC	ATCGGTGTTG	TTCATTGATG	TCACCACCAA	300
GGCTGGAGAG	AATCCCATTT	TGAGATAGAA	AAAGAGTTCA	ACCACCTTAT	ATTTTTCATG	360
GTAGAGAAAT	ACATAAATGG	TTCCCTCCAGC	TGCCATGAGC	CAGATAAACC	AACGCATATG	420
AGATGCCAGG	GGTCCAAGTT	CACGAAGATT	TAACCATGGA	GCATAAGAAG	CAGCAATGAA	480
GAAATAGATA	ACCATTCTAT	CACACATGTG	AAAACAATGC	TCCACTGTCC	TTAAGTGGCT	540
CTTTTTTCCA						549

Name: 118 Len: 416 Check: 71A

CCGGGGGCACA	TAAATAGTAT	GGCTTAGAAG	AAGGCGTGGG	TACAGATGTG	CAGGAATGCT	60
AGGTGTGGTT	GGTTGATGCC	GATTGTAACT	ATTATGAGTC	CTAGTTGACT	TGAAGCGGAG	120
AAGGCTACGA	TTTTTTTTGA	TGTCATTTTG	TGTAAGGGCG	CAGACTGCTG	CGAACAGAGT	180
GGTGATAGCG	CCTAAGCATA	GTGTTAGAGT	TTGGATTAGT	GGGCTATTTT	CTGCTAGGGG	240
GTGGAAGCGG	ATGAGTAAGA	AGATTCCCTGC	TACAACTATA	GTGCTTGAGT	GGAGTAGGGC	300
TGAGACTGGG	GTGGGGCCTT	CTATGGCTGA	GGGGAGTCAG	GGGTGGAGAC	CTAATTGGGC	360
TGATTTTACT	GCTGCTGCTA	GGAAGAAGCC	CAATAAGTGG	GTGAGGCTTG	GTTTAG	416

Name: 119 Len: 405 Check: 23A0

CGGGCCTTTA	CCTGCGACGA	CCTGTTCCGC	TTCAACAACA	TTAACTTGGA	TCCACTTACA	60
GAAACTTATG	GGATTCCCTT	CTACCTACAA	TACCTCGCCC	ACTGGCCAGA	GTATTTTCATT	120
GTTGCAGAGG	CACCTGGTGG	AGAATTAATG	GGTTATATTA	TGGGTAAAGC	AGAAGGCTCA	180
GTAGCTAGGG	AAGAATGGCA	CGGGCACGTC	ACAGCTCTGT	CTGTTGCCCC	AGAATTTCTGA	240
CGCCTTGTTT	TGGCTGCTAA	ACTTATGGAG	TTACTAGAGG	AGATTTTCAGA	AAGAAAGGGT	300
GGATTTTGTG	TGGATCTCTT	TGTAAGAGTA	TCTAACCAG	TTGCAGTTAA	CATGTACAAG	360
CAGTTGGGCT	ACAGTGTATA	TAGGACGGTC	ATAGAGTACT	ATTCTG		405

Name: 12 Len: 409 Check: 8AB

CAGACGCTGC	CCAAGGCTTT	GTGGGCTGCG	CACCTCAGCTC	CACCATCCAG	CGCTTCTACA	60
AGAACGAGGG	AGGTACATGG	TCAGTGGAGA	AGGTGATCCA	GGTGCCCCCC	AAGAAAGTGA	120
AGGGCTGGCT	GCTGCCGAAA	TGCCAGGCCCT	GATCACCAGC	ATCCTGCTCT	CCCTGGACGA	180
CCGCTTCCTC	TACTTCAGCA	ACTGGCTGCA	TGGGGACCTG	AGGCAGTATG	ACATCTCTGA	240
CCCACAGAGA	CCCCGCCTCA	CAGGACAGCT	CTTCCTCGGA	GGCAGCATTG	TTAAGGGAGG	300
CNCTGTGCAA	GTGCTGAGGA	CGAGGAACTA	AAGTCCCAGC	CAGAGCCCCCT	AGTGGTCAAG	360
GGAAAACGGG	TGNTTGGAGG	CCTCAGATGA	TCCAGTCAGC	CTGGATGGG		409

Name: 120 Len: 318 Check: 266B

CGGACGCAAG	TACATCCAGA	CAGACAGCGG	CCCCTACTGT	GTGCCCTGCT	ATGACAATAC	60
CTTTGCCAAC	ACCTGTGCTG	AGTGCCAGCA	GCTTATCGGG	CATGACTCGA	GGGAGCTGTT	120
CTATGAAGAC	CGCCATTTCC	ACGAGGGCTG	CTTCCGCTGC	TGCCGCTGCC	AGCGCTCACT	180
AGCCGATGAA	CCCTTCACCT	GCCAGGACAG	TGAGCTGCTC	TGCAATGACT	GCTACTGCAG	240
TGCGTTTTCC	TGCGAGTGCT	CCGCTTGTGG	GGAGACTGTC	ATGCCTGGGT	CCCGGAAAGC	300
TGGAATATG	GAGGGCCA					318

Name: 121 Len: 460 Check: 2526

TTTAATCTAA	GAATTTCTTT	ATTTTATGCA	TAATAAAAGG	GACTACAAAG	AACAGCTGAA	60
AAGCCAGAAG	ACAAAGGAAC	AAAAATAAAC	AATGACGTGT	ATTCCAACCC	AAACAATGAG	120
AAATCTATGC	AACTAGACTA	TCAGTTCAAT	CTATTTCCAG	GTCTGCTATCC	TCACTGTGAC	180
ACGTGGCAGA	GTTACGCACA	GATGTCAGCA	CCAAGACTTC	CTTTTCTGGG	AGTAATCCAA	240
ATTCTGGAG	AAAAGCTTCA	AGGTCCACAG	CAAAGAAATC	ATCCCCCAGC	TGGTCAGTAA	300
CACGAACAAA	ATTGCCGATC	AATTCACCCC	CCTTATAGAT	CAGCAGGGCA	GGAAGGGCAT	360
TCCTGGTGAA	CTGACTGCTG	GCGCCAATAA	CTGAGCTCTT	CACCTTGCAG	AACTTGACAG	420
CTGGGTACTC	TGCGGCAAGG	CAGATCATGC	AACCATTCTAT			460

Name: 122 Len: 672 Check: 13BD

ATAGAGCCTC	ACAGCTGCCA	GCTGTTCCCG	GGCCCCGAAC	GTCTGGGTCA	GTGAGGTCCC	60
ATCTGGCAGC	CTGACCTGTA	TGCGACACTG	GTCATACTCC	CGCTTGGTGG	GAGGCTCCTG	120
GCTGGGAGAA	GAGGGAACAG	GACCTGGCTC	TGGTGCCACT	GGGGGTGGCT	GAGAGCCAC	180
ACTGCCACCA	TACTTCTTGG	CTCTCTCTGC	TTTGTCCCTC	TCGATCTTTT	CTCTAACTCT	240
TTGTCTGGCT	GCTAACTCCT	CGGCCTTTTC	CCTCCGCCTC	TCCTCAGCAG	CCCGGCGCAT	300
CTCATCTTCC	TGTAGCCGCT	GTCTGTCTGC	TGACAACCTT	TGCCCTTGTC	TCCTGCGCTG	360
CCGTTCCCGG	TTCAATGCCT	CCCGTTCCTC	TCTTTCTTCA	CGCTCCCGCT	GCTTCTGGGG	420
CCACAGCTCC	AACATCCCCCT	CTAGTTTGTT	CCGTCTTTCC	TCTTCACTCA	AAGNGGGGTT	480
TGCCTTCTCC	CGCAGCCAGA	AACAGATTCT	TCAAGGGCGC	CTGGTCCTTG	AGGAATTGGG	540
GTCCCGTCCC	AAGATATGTC	CAAGGGGAGG	TCAAAAAGGG	TCTTTCAAAA	TCGGGTTGGT	600
CTTGGTCTTC	AAAAAACCAT	TCCATGAAAG	CTTGAGTCCC	CTGTTCCCTT	GAAGGGCAAA	660
AACTTTCTCC	GG					672

Name: 123 Len: 310 Check: D0

5

GCACGAGAAA TATCTGCCTA AGTGGGACCT GTGAAAACAC GAAAGGCTCA TTTATCTGCC 60
ACTGTGATAT GGGCTACTCC GGCAAAAAAG GAAAAACTGG CTGTACAGAC ATCAATGAAT 120
GTGAAATTGG AGCACACAAC TGTGGCAAAAC ATGCTGTATG TACCAATACA GCAGGAAGCT 180
TCAAATGTAG CTGCAGTCCC GGGTGGATTG GAGATGGCAT TAAGTGCACCT GATCTGGACG 240
AATGTTCCAA TGGAAACCCAT ATGTGCAGCC AGCATGCAGA CTGCAAGAAT ACCATGGGAT 300
CTTACCGCTG 310

Name: 124 Len: 302 Check: 144A
GCAGAGCTGG ACCTCCAGAC CCGGATGAGT CTGCGGTCCT TCTGGAGGCC ATCGGGCAGT 60
GCACCAGAAC CGATTTCATCC GGCAGAGCGG CANAGCAGCA GCAGCAACAA CAACGGAGTG 120
AAGAGCTGCT AGCAGAGAGA AAGCCTGGGC CTCTGGAGGC GGAAGCGGA GACCCAGCCC 180
TGGGGAGATG CGGGATCAGA GCCCCAAGGG AAGAGAGTCA AGAGAAGAGA GACTAAGTCC 240
GAGGGAGACC AGAGAGAGGA GGCTGGGGAT AGGGGGAGCC CAAGAGTTGA GCCTGAGGCC 300
TC 302

Name: 125 Len: 811 Check: 1E88
TTTGAGGTTT GTAAGAATTT TTTAAACAAA ACAGAAATCA CAGTGACCAA GGGTAATGCG 60
AGTCTGTGTC TTCCTTGCCC ATGCTGCTCC CCACAGCTCT CCGTGGGTAC TAAATGACGC 120
GCCACTGCGT GATGCTTGTG TCTTTCCCGC CCGTGGAGAT GAGGTGGCTG TCTTCACAGA 180
GGAAATCGAC ATTGGTGACA TGGCTGCTGT GCGCGCCGTA GATGTGGCTT GGAGCCCTGA 240
ACTGCGAGCA GGGGTATGAG AAGAGGTGCA CTTTGCCAAA GTCGTGCGCT GTTGACAGGA 300
GTTTCTTCTC ATGGGCCCCG CAGACGGCAT TTATGTTGGT TCCGTCCGAG CCTTCTGGGC 360
ACACTCCAAA AAAATGGAAT CCCAAAGTGG AGGTATAGGT AGGCCATTCA ATGTCTCTTG 420
TAGTTTCCAC ACTTACGACT TGCTTACAGG CAGAGGGAAC CCAGTAGAGG ATTTCTGTAGT 480
CTCCGGAATT TGACACGAGG AACTGTGAGT TTACAGACCA GTCCAGGTGA GTAATGAAGC 540
TGGAATGACC CGAGCACTTG CCCACTCGCG TGTACTTCCT CCCGTTTGTG CTAAAGGCAT 600
ATATATAGAT GCAGTTGTCC TGTGAGCCTA TGGTAAAGAA ATTTCCCATC TGGTGAGTAT 660
TGCATTACAG AGAAGCCGAG GGTTCATCC TGTGTGAAGG GGGACCAAGT CTTTTGTTTT 720
TCGTGTTAAA AACCAACCCAC CTCCCAGTTA GTGGTTCGAC TTCAACCCAC GACCCTTGAG 780
GGATGAAACC AAGAGAACTG GCGGTTTTCT C 811

Name: 126 Len: 456 Check: 11A
TTTTTTTTTT TAAATACAA AAAACAGCTT TACTCAGACT TTTTGACTGC CATGTCCTCC 60
TTTAGAAGGA CTACAGTTTG GCTACTTGGT CTCTTCTGGG GCAGATGTGG CATCCTGAGG 120
TGTGTTAGCT TCTGCCGGTG CAGATACAGC TCCTACCACA GTAGGGGTGG TCTCAGATAA 180
AGCAGGGATG GCTTCTGGAG TGAAGTGGC TCCTGTCTCA CTGGGGGTGG TGTGAGTTTG 240
AAAGGCTGGA GTTCTTGAG GGCAGCTGGT GTCTGTGGGA CTGGGTATGA TGTGAGCTTG 300
AACAGTCATG GCTCTTTCTT CTGTTTCCAA TTCTGTTTCT TGATTTTGAA CTTCCTCACC 360
CTCTTCTACC ATAGCAGGTG GTAGTTGTAA TAAAGTCTGA TGATAATGAT GTGTAGTCTG 420
TATCAAATGC ATGTACATGT TGTATACAAA GTTTGCG 456

Name: 127 Len: 292 Check: 281
TTCCGACTCT TTTCACATGT TTTTCGATAG CACTGCCATT TTGGCTGGAC TGGCAGCTTC 60
TGTTATTTCA AAATGGAGAG ATAATGATGC TTTCTCCTAT GGGTATGTTA GAGCGGAAGT 120
TCTGGCTGGC TTTGTCAATG GCCTATTTTT GATCTTCACT GCTTTTTTTA TTTTCTCAGA 180
AGGAGTTGAG AGAGCATTAG CCCCTCCAGA TGTCACCAT GAGAGACTGC TTCTTGTTTC 240
CATTCCTGGG GTTGTGGTAA ACCTAATAGG AATATTTGTT TTCAAAAATG GA 292

Name: 128 Len: 433 Check: 51D
GTAATTTTCAT AGTTATTTTA ATAACCAGGT TTACATTAAC AGTCACGTGA TGAACTTTTT 60
TCTTTAATGT CAGCTAAACT CAAAACACAG TTTTGTTTAC GGTTCAAAACC AAACAGCTCT 120
TCACGTTCCA GAGCTGCCTC ACAGCTAGCA CAGNTCACAG GAGATTACTG TCTGTCCATA 180
CCCACCAGAC ACAGAACTGA ACACCCACAC ACCAGTTTTT AAAGAGGGAA CTTACAATGA 240
ATGCTGGCTG CCCAGGGCAC CCATGAGTGT ATCTGGGNCT CAAGCTGGAG TTTTCCAGGG 300
GAGAAAGCCT GGGAAGCTTG GTGGCAAGGA AGTTGGGNAT TGCCCCCCT ACTGGGAAAG 360
GGGTTTTCTCA GGGGTTGAGT GAAAATCCCG GGTAGGNCT CAGCCCTTTG TGGGAAACAT 420
GGGCACTTTC AGT 433

Name: 129 Len: 372 Check: 21BF
GATCCAGGAG CCACACAGCT GCCATGGTTC ANAAGGCCCT GGAAACCGAC CCAGGAGATG 60
CCGTGGTTGT CNCGCTTTGC GANTTGCTGA TTCTAACTAT NAAGCCATTT GTAAGGTACC 120
TCGAAAGGTG GCCAGAAGTA TCTCCTGCGG CCCTTCTAGC AGGTGGTCTGA CCAGCATTTG 180
CACTGAAGAA CCAGCGTTGT CTGAGGTTGG GCCACCGAC TTAGCAAGCA CAAAGGTACC 240
CCCAGATGGA GAAAGCATGG AGGAAGAGAC GCTTGGTTCC TCTGTGGGAA TCTTTGGATG 300
CAAGCTTCCA GGCTAGCCCT CCACAACAGG AAGATGAGGA GACTGAGAGA AGTGCAAAGG 360
AACTTGGAAA GT 372

Name: 13 Len: 439 Check: 1E33
TTCGGGTAAA TTGTAATTTT TTTATTGGAA AACAAATATA CAACTTGGAA TGGATTTTGA 60
GGCAAATTGT GCCATAAGCA GATTTTAAGT GGCTAAACAA AGTTTAAAAA GCAAGTAACA 120

6

ATAAAAGAAA ATGTTTCTGG TACAGGACCA GCAGTACAAA AAAATAGTGT ACGAGTACCT 180
 GGATAATACA CCCGTTTTGC AATAGTGC AA CTTTTAAGTA CATATTGTTG ACTGTCCATA 240
 GTCCACGCAG AGTTACAACCT CCACACTTCA ACAACAACAT GCTGACAGTT CCTAAAGAAA 300
 ACTACTTTAA AAAAGGCATA ACCCAGATGT TCCCTCATTT GACCAACTCC ATCTAAGTTT 360
 AGATGTGCAG AAGGGCTTAG ATATATCCAG AGTAAGCCAC ATGCAACATG GTTACTTGAT 420
 CAATTTTCTA AAATAAGGT 439

Name: 130 Len: 528 Check: 1041
 GAGCGGAGCC GGAGCGGAAG CCGCAGCCGG GCGGCGGGAG CCGCGGGAGC GGGGGAAGCA 60
 GGGCGGGCCG GGCTCCATGG CGCCAGCGGC GTCCGCTGA NCAGCGCGGG CAACAGCGGC 120
 GCGCTCGGCC GGATCGGGCC GCGACACCTC CTGGCCATGG GGGACGTGCT GTCCACGCAC 180
 CTGGACGACG CCCGCGGCCA GCACATCGCA GAAAAAACCG GGAAGATCCT GACGGAGTTC 240
 CTCCAGTTCT ATGAAGACCA GTATGGCGTG GCTCTCTTCA ACAGCATGCG CCATGAGATT 300
 GAGGGCACGG GGCTGCCGCA GGCCCAGCTG CTCTGGCGCA AGGTGCCACT GGACGAGCGC 360
 ATCGTCTTCT CGGGGAACCT CTTCCAGCAC CAGGAGGACA GTAAGAAGTG NAGAAACCGC 420
 TTCAGCCTNT TGCCCCACAA CTACGGGCTG GTGCTCTACN AAAACAAAGC NGGTCTATGA 480
 CGCGAGGTNC CACCACGAGC CGTCATCAAC AGTGCANGCT ACAAATC 528

Name: 131 Len: 521 Check: 253E
 AGAGGAAATT GATTAGCTAT GGTGTAAGTT TTCGGGAGAG TCATCTGAAT GTTGTATAT 60
 CCATAAGCAA TAGCTGCATC TTCTACAATA TCACATGCAT GGATAATGTC AGCTCTGGTT 120
 GGAGGGATTT CAATCTCAAT CTGATTCCCA TCACCTATGA CTTCTGATTT TAAATACATC 180
 CTGGTCAGAA GTTTGGCAAG ATTTTCTGGA GTTCTCTGA TTCCAACCTTT TTTGTTAATT 240
 AGGTGAGCTC TCACCATCTC CTTTCGGTAA GCTAATTCTG GAAAGGTATG TGATTTTCCA 300
 TTAGGAAAAA CCACTTCAGC AGCTTCGACC GTAAATTGAT TCTCACAATA TTCCTGAAC 360
 ATGGTGACAA TAATATCAAG AACTATNTTT GCCTTAGTAA AGTCAGTTCC CGTGCATTCA 420
 ATAAAAATAT TTCTAGTATN TACTGTTATT CTGGAATGAT CCCCATTGAT GATGGGAGGC 480
 ATTGAAAAGA CGACACCATT GCTATCATAG ATAAGTGGAT A 521

Name: 132 Len: 429 Check: 19CF
 GAGGGGGAGA CCGGGAGCAG ATGCCCTCAA GGGGGTCAA GAGAGGGGAA GGAAATTGCA 60
 CATAAATAAA CCGGATGATT CCAAATGCAA GGAGTCCTCA GAGCGGAGCG CGGACGGCTT 120
 TTCCGGAGTC CTGGGTCTGC ATCTGGCGCC TTEGCCCCCTG CTCACTCGCG CTCTCCTCT 180
 CCTCCTTCTC CTCCTCCTCA CTGCTTGAGC TCCAGGGCCC AGACGTGCTG CGGCCAGCCC 240
 GTCCGGCCTT TGGTTTTCTT GTCGTTGCTG CTCACTGTGC TTTTCAAGAT TTCGTTCTGG 300
 ACAGAGGAAA GCGGAGGGCG AGAAAAAGTGG AAAGAGAAAT TCAGAGAGGA TACCTGGTTC 360
 CACACCAACC CGGAGCTTCC TGCGCCGGAG GAGACAGTGA ACCAGAGAGG AAAGGATACG 420
 ATGGGGGAG 429

Name: 133 Len: 442 Check: 5E9
 TCAAACAATA ACTTGGTATT TTATACTTCT CTATACTTTG TAGCAAATCT TTTTTTGCTG 60
 AATTTAATTT ATAATAAACT TTTTAAATTA CATCTCTCTC TCTTTTTTTT TAAAAATCAA 120
 GGCTCTTTTA TGTCAAAATC TTTTTTTAGC TATATTTTAG ATTAACATTT AACATCCCCC 180
 CCTTGTGATC TATACCGTTG GATATTCAGG TATTACTGTG TGTGTAACAG CTAAAAACAAG 240
 AGGGAGGAGG GAAAAATAAG GCAGTGAACCT TGGACGGATG CATCAACAAC AGCAGATAAA 300
 GCTAACCCCT CAGTGACCAT AGCAGCATGT CTTCTGGAAG CCTTTACTCT TACCCAGAG 360
 ATTTCTCAG CCCCTTCCCT CTCTCCCTCC TATCCTCCAA ACACAAAGCC AACAGTCTGT 420
 CCTTTCGCTT TTCTTGAGGA GA 442

Name: 134 Len: 913 Check: F1E
 TTTTTTTCGA TTCCCTCTCA TTTATTCCTT GTGGAAAAAG AAAACACAA ATCTTAAAAA 60
 CTAAAGCAAG TCAGGGAAGC CTGGAAAGAT ACCCAGATTT GATAACATGT TAGAAGGAAA 120
 TCCAGGCTAA GGAATCTCAT TTTCTAGCTT TGATCTGGTT GTCAGTTGGG ATGGACTTGC 180
 CCAAGTGATG GCCCACAGAA AGGCCAAATT TCTTGTTTTT CTCCTCATCC TGTACCTCTT 240
 TTTTCATTAA GAATCCTGCC TGGAAAGTTA GGTCAAAGAG GCTGCTTGGA GCAAAATACA 300
 GTGGTGCTC ATTCCCNAA ATATTTTTTCC TTCCCCCCCC CAGGCGTTTC TTCATCCTTC 360
 AGGATTTGAA TTCGGGCGTC TGCTGGAGTG GCCCCATGCT ATATGTCAGT TGAGGTTCTA 420
 AGACTTGGAA GCCACAGAAA TGCAGAATGC CACTCTGAAT TGGCCAGAGA ATGACATTCA 480
 TGTCCCCGTG GATCCCTTGC AGAGAGTACA TGGAGCCACT GCCACAGTG GTGATGGAAA 540
 GCACTGCCTT CTTACTCCGG AAGGGTCCTT TGTCATACAT GGCAGCGTAA GTGTAAGCAA 600
 ACTCTTCTAT GAACACTCGC TCAAACCAGC CTTTCAGAAT GGCAGGGACT CCCAAACCAC 660
 TGCAGGGGGG ACTGGGATAT CACAAAGGTC TGCGGCTTTC CAGCTTCTTT TTGGTCAGCC 720
 ACAAATATCT GGGCTCAGAT GGGCTTTCTT TATTAAGCAG AACAAGATTG GCAGGATACT 780
 GGAAAGTCCC AGGGTCCTTT CAGTTTACTT GGAAGGGCCT TTTGGGAAAG AAGGGATGGA 840
 AATTATGGGA TAAAGGGGCC GATTCCACAA CTTCTTCTT TTTTTTTAA GCCGGTGGGC 900
 AAGCTCCTTA TGG 913

Name: 135 Len: 750 Check: 1FCD
 TTTTTTTTTT TTGTCATTCA TAGTAAAAGT TTATTGAACA GAAAACCCAG CAAAGGTTTT 60

7

CACCTCCGCA	AAGTTCCCCT	TAGTTTAAAG	TAAAGCACTG	CATTTTAAAA	AGCAATTATA	120
CATAAGTCTT	TCCTAGAAAA	GTCCTGCTAA	AACATGTCTA	GCAATTTTCAT	TGATTATATA	180
AAGTAGTACA	CTTAGTGTA	TTTAAACATT	CCAACAGGAA	TCAAATCGTA	CCAGCAGAAC	240
CACTTCTGCA	TCTATGACTT	CTATGTACAA	ACACACATGC	AGACACACAC	ATTTGGAAAA	300
GTTCCCTCAAG	CATAGACATG	CAACACCTAA	GGCCTTCTAC	GTACAGTGCT	TATTAAACTA	360
CATAGAGTAT	ATATTAAAGC	TCTTCAGAAT	AAAGACATGA	GAAGCCTTGG	GCATTNNTTG	420
TTCACCAATT	TGTATCACGG	CTTCACGTTT	CTGCTTTTGC	TTGCTCACAA	AAGCATATCA	480
TCATCCACAC	TGTTTTTTAA	AAACTCATCA	TTGCCATGTC	CAGGAGAGGC	AATCTAGCTG	540
GAGTCAGGTG	ATCCAGTCCA	TTCCTGTCAA	AGCCTCCAAC	AGCTACAGCA	CAAACACCAT	600
CAGTNTGCGA	TGGCTGGGGG	GCCTTCTGGA	AGAAGAGAGG	CAAAGAAAGT	CTTGAAGACA	660
AGCCATGCTG	TGCTCATAAA	GGAGGGGCTG	GTCGTCTCGC	CATCTAGTAC	ATCCCTGTCT	720
TGGAGGGAGG	TGGGTGGGGG	TTTCCATTTT				750

Name: 136 Len: 348 Check: B6B

AAAACGACGG	CCAGTGAATT	GTAATACGAC	TCATATAGG	GCGAATTGGG	CCCTCTAGAT	60
GCATGCTCGA	GCGGCCGCCA	GTGTGATGGA	TATCTGCAGA	ATTCGGCTTT	TGACACCAGA	120
CCAACTGGTA	ATGGTAGCGA	CTGGCGCTCA	GCTGGAATTC	CGGCTGGGAC	TACCGGGTCT	180
CACTCCAGAA	GAGGCTTCTT	CAGAGCATGG	TAGTCTTGGG	GTTCTAAGAG	AATGAGAGTA	240
GAAGCTGCAA	AACCTCTTGA	AACTGGGGCT	TGGGAGTCAC	ACATGACTTT	CTCCACATTC	300
TGTTGCTCAA	AAGCGAATCA	TAAGGACAGC	ACAGACTCAA	GGGATAAG		348

Name: 137 Len: 505 Check: 1021

AAACGACGGC	CAGTGAATTG	TAATACGACT	CACTATAGGG	CGAATTGGGC	CCTCTAGATG	60
CATGCTCGAG	GCGGCCGCCAG	TGTGATGGAT	ATCTGCAGAA	TTCGGCTTTT	KACACCAGAC	120
CAACTGGTAA	TGGTAGCGAC	CGGTTCTCAG	CTGGAATTC	GGATTGGTCC	AATTGGGTAT	180
GAGGAGTTCA	GTTATATGTT	TGGGATTTTT	TAGGTAGTGG	GTGTTGAGCT	TGAACGCTTT	240
CTTAATTGGT	GGCTGCTTTT	AGGCCTACTA	TGGGTGTTAA	ATTTTTTACT	CTCTCTACAA	300
GGTTTTTTCC	TAGTGTCCAA	AGAGCTGTTC	CTCTCTTGA	CTAACAGTTA	AATTTACAAG	360
GGGATTTAGA	GGGTTCTGTG	GGGCAAATTT	AAAGTTGAAC	TAAGATTCTA	TCTTGGACAA	420
CCAGCTATCA	CCAGGCTCGG	TAGGTTTGTG	GCCTCTWCCT	ATAAATCTTC	CCACTATTTT	480
TBTACATAGA	CGGGTGTTC	CTTTT				505

Name: 138 Len: 513 Check: 117D

AGGGCCGAGT	GGAGGTGCTG	GTGGAGAGAA	ACGGGTCCCT	TGTGTGGGGG	ATGGTGTGTG	60
GCCAAAACCTG	GGGCATCGTG	GAGGCCATGG	TGGTCTGCCG	CCAGCTGGGC	CTGGGATTCC	120
COAGCAACGC	CTTCCAGGAG	ACCTGGTATT	GGCACGGAGA	TGTCAACAGC	AACAAAGTGG	180
TCATGAGTGG	AGTGAAGTGC	TCGGGAACGG	AGCTGTCCCT	GGCGCACTGC	CGCCACGACG	240
GGGAGGACGT	GGCCTGCCCC	CAGGGCGGAG	TGCAGTACGG	GGCCGGAGTT	GCCTGCTCAG	300
AAACCGCCCC	TGACCTGGTC	CTCAATGCCG	AGATGGTGCA	GCAGACCACC	TACCTGGAGG	360
ACCGGCCCCAT	GTTCTGTCTG	CAGTGTGCCA	TGGAGGAGAA	CTGCCTCTCG	GCCTCAGCCG	420
CGCAGACTGA	CCCCACCACG	GGCTACCGCC	GGCTCCTGCG	CTTCTCCTCC	CAGATCCACA	480
ACAATGGCCA	GTCCGACTTC	CGGCCAAGA	ACG			513

Name: 139 Len: 340 Check: E2C

TTTTTTTTTT	TTTTTGAAAT	GAGTAAATTT	ATAGCTTTAT	TTGCATACAG	AAAAGTGCAT	60
GAGAAAATAA	GTATGTACAA	AACAGTTGTG	TGGCTGATCA	TGACTTTCAA	AAATTCAACT	120
ACCTAGAAAT	AGTTACCTCC	AGTTTAGCAC	ATTTAGGTAT	TTGGACATTT	AAAGTACTAT	180
TTCAAGTCTG	TGTTTATAGT	GACTGAGTAG	GAGCTGATA	GAAAATTATG	CCATATATGA	240
TCAACTATTA	CCATTAAACA	TAAAACCACA	GGACTTTCTA	CTTGGGGCTA	ATCAATAGAG	300
GGTCATGTGG	CCCCTGTCTT	GTTTAGCTTC	TGAGCATCAC			340

Name: 14 Len: 486 Check: 1FA

GCTAGGAAGA	TAGTTGTTAC	ATACTGAAGT	AGGTTATTAA	ATAAAGTAAT	GAAATATCTT	60
TGAACATATA	TATAAATAGG	ACAGGCTTAT	ATTCTAACTA	GTTTGCGGTG	TTTTTCAGCTA	120
ACTCTATCAC	ACCTAACCAT	CTGTGTAAGA	CTTGATGCAT	TTTATATCAT	TTTAGGCTG	180
GGCTAGGAAA	CAACAAATC	ACAGATATCG	AAAATGGGAG	TCTTGCTAAC	ATACCACGTG	240
TGAGAGAAAT	ACATTTGGA	AACAATAAAC	TAAAAAAAAT	CCCTTCAGGA	TTACCAGAGT	300
TGAAATACCT	CCAGGTAAAA	CATTCTACTT	TGTTTCAGTA	GNTATTGGGT	ATTTTCCCTT	360
CAGGTTTTTA	ATAACACACT	TAGGCACAC	CTCAAGCAAA	GGACCAAGTA	AGGCAGCAAG	420
GGGTGGATTG	AAACATAATG	ACTCTCCAGG	TTGCATGAGG	TGTTTTAAGA	ACTAGGAGAG	480
CTTTAN						486

Name: 140 Len: 334 Check: 1A0F

GGCCTTTTGG	TTCCAGAAAA	ATAGAGGGGA	TCTCTGTGGA	GCCTCTTTGG	TTTTTCATCA	60
ATTCTGGGGC	TATPAAAAC	AGCCATTTCAT	CTAACGAGGG	CCAAAGCAAT	TCCAGAGGCT	120
TGAACACCTG	GCTTTTTTGA	GTTTTATTCC	CATTGTAGCC	CATATCAATT	CCATTACTGG	180
GGGAGGATGG	ACCAATTCTG	AAGACGTGAC	AAAACATTCT	CACAATCCTT	AAAAGGCTCT	240
TCATTTGAGC	ATCATAATTG	CTAGAGAGGC	TAAGCAGTTT	ATGACCATT	GTTGTAGCAA	300
CTTCAGCAAG	GCTTGTTAGA	ATCTTTAGGT	ACTG			334

8

Name: 141 Len: 497 Check: 1A2F
 TTTAAGGTTA CACGATTATT TATTGAGAGC CTCCTCTCCC CGCCCTTGCA ATCTCTAGGT 60
 CACTTTCTCC GCTTGTAGAT TTGCGGCGCA AGCCCCAGAA AGACGGCTGG GGGCAGGGGT 120
 GCTGCGTACT GTTCAATGAG AGCCATAATG TGGCTGTAAC TGTCTTCTC ATATTGCAAG 180
 AACACTGCTG GCAGATCCAG CTCCTCATAT AGCGCCTTCA CCGGGGCCAC TTTCTCAGCC 240
 TCCTTCTGCC CGTAATTTTC CTTCAGGATC TGGTACTGTT CTGGAGTGGC CCGTTGCAGA 300
 CACTGAACCA CCAGCCAGCT GCATTTGTTG TCCTGGATGT CAGTGCCAAT TTTGCCGGTC 360
 ACACTGGGGT CCCCCAAGAG GTCAAGGTAA TCATCCTGAA TCTGAAAGAA CTCCCCCATC 420
 TCCAGCAGGA TCTTCTTGGC ATTGGCGTGC TCCTTCTCGC CATCAATTCC TGCCATGTAC 480
 ATGGCTGCGAG CTATAGG 497

Name: 142 Len: 353 Check: 1801
 TTTTTTTTTT TTTTAGAGAT TGTGTGACT TTTATTCAAT TTGAAATCCG GATTAAATA 60
 AAAGCAGTGA GAGCAAAGCT TTACAAATAT TACATTACTA CGTCATTGAT ATGGCTTTTA 120
 CACTGATTGG ATACAGGAAA AAAAAAACC TAACATTAGA ATTAAGGCAG TAACAACATG 180
 TGCAAAACCA GCACACCCCC TGACAGTCTT CAGTAGAAAA CTACTCTGGT CAGGTGGTAT 240
 CTGACATGGC TGCATGCAGG TCTCATTGCA TGGGAAGGATA GGTCCCTGAAG AGCTTCATTC 300
 CTTAAAGGGG AAAAGGACCC TTCTCACTGG CCAACGATGG CCAGGAGCAG CTT 353

Name: 143 Len: 559 Check: 225B
 ATGCTTCACA CTTGGTTTGC TTATATTGAT CATTAAAAA GAGATATTAA TCTTACCTAT 60
 TGCCATGAAT ATTTCAATTA CATTCAATGA TGTTTTAGCG GATGTCTCCA TGAATAATAA 120
 ACTATTGTCA TCTGCATAGG ACTGTGCTTC CTGGAAATCT ACTGCTCTTT TATTTGCTAG 180
 GTCGGCCTTG TTTCCCGATA AAGCTATTAC AATGTTAGGA CTTGCTTGCC TCTGAAGTTC 240
 TTTAACCCTAA TTTTTTGCTC TTGCAAAGGA CTCCTCATT GTGATATCAT ATACAACAT 300
 GGCTGCTTGT GCTCCTCTGT AGTACATTGG TGCTAGGCTA TGGTATCGTT CTTGACCAGC 360
 TGTATCCCAT ATTTCAAAT TTACTGTAGT GTCATCAAGA CATACAGTTT GGGTTAGAAA 420
 AGCAGCCCCA ATGGTACTCT CTTGAAATCA TGACATTGGC TTTCAAAAA CAAGCACTAG 480
 GCTTGATTG CAACAGCGGA CTCTCCAGA GTACTAGTTT GAACTGCATA TNTATTTCCA 540
 GTATTGGCCC CGTGGGTCT 559

Name: 144 Len: 572 Check: DIC
 TTTTTTTTCC TTTTAAATGC TTCTTTTATT TCATTGGTTG TACATTGGGT GAGTGAAGT 60
 AATATTACAA CCAAAACATA GTATTGATAC AAATTAGACT CCTGTTTACA CTGTAAGGTA 120
 ATGAATGAGG GAATTCCTTA AGTGTTACAG AAAGATTTAG TAGAAATGTT ACCAGTGGTA 180
 TGGCTGAAAG AATATTTTCG TGAAGTGCTG TTATATCCTG AAAACCAAGA GTGAAATGTA 240
 GTTCCCATAC AAGTGGAGAG TTAGTCTCTT AACTACAGTA TTTGTTGAAC TGATATCTTC 300
 ATGTCTTGGG TATTGGTGAT TTTTGTTTT TAATTAACA AAGCATTAA GATTTATTCA 360
 TCATAGTCAG ACTTCTGAAT ATAAACAAAC TTTTGGCAAA TAATATTTAT ACAGAAAAAT 420
 AGTTTGTAGT CCTCTCAAT CCCAGAATTA TTCTATAAAA TTACATTATA AATAAATPAA 480
 AAGCAAAATC TGTGTACAT ATATTTGTAC ATCTATGCAT TTGCCCTGCC TCCTCCTTAT 540
 TGTAAATGGC ATATTTATGA CTCTTGCAT AT 572

Name: 145 Len: 402 Check: 1D03
 TTTTTTTTTT TTTTTGTCT TAAGGAAGTT TTTTGGCATT CTTTTTTTTT TTAGATTACA 60
 ACACACATAC AATAAGTGAA TTTTATCAA ATACAGCACA TTTCTCTAC TATATCCATA 120
 AAAATCAATT CCGATGTTAA TAGTACTGAA AATCAACTAA AATGAGTTAA AATTTACAAA 180
 GAGTTGTTAA AGGCTTTTCAA TCAAAATTAT TAAAACATA CAGTACAATA ACCAATTGTA 240
 AACATCTTGA AAGAAGTGCA ATATTTGAGT TCACATATTT TTAAGAGTGC TGCCTACTTA 300
 CTCTGACTAG CAAGAATGGA AAGTGAGTCC AACTCACTTT TGCAAAAATA ATGTTGGTTG 360
 GTGTTTTAAG CTAGTCTTAT AAAAGTCTTA ATTAAGATCA AG 402

Name: 146 Len: 482 Check: 28
 AGTAGAAACA AAGTATGTTT AATGGTTGCT TTGGAAGGG GAAGTGGGCA CCTCATGCCA 60
 GGGAGATTTA AAAATGAGAC TTTTCAAGCA AGCACTGCCT ATAGCATAGT CTCATATTTT 120
 GAAAATTTAA ACCTAATTTT AATTATATAT AAAGAACTAT TTTAAAAAT CACACCCACA 180
 AGTAAAAAAC TGGAATCTG TTTACAAAGT GCAGCGTCAG TACAGCAAAC TCATCTCAAC 240
 AAAAGATTAT GTGTGGTTTC TCGGGCTTTA AAACCTCCCT GGTTTCCATT TAAATGCTTT 300
 AACATTGAGT CATCCTGCAT ACATGAAAAG CCTGTGTAAT GAAGCCTGGG TCCTTTAACA 360
 CCTGCTATTA ATTAATTCCA ACATAAGTGA GTATGAGACC TGNGAAGTAA ATTGTCTCA 420
 TCTGATTGAT GAGGTACAGA TTATCTGAAT AAAATTTCTG ACCTGGTTAT GAGTCAGTAA 480
 TC 482

Name: 147 Len: 489 Check: 149E
 TTTTTTTTAA CATTCTAAG TTTCTTATT CTTCATAGTT TTCTAATGAA CAAATAGTTA 60
 GTTTTCTGTA GTAAGATTAT AAAAAAGTTA ACCATTCTTC CAAAAGTATA AAGACAAATA 120
 AAATGTCGAC TCATAATACA AATTTTTTAC ATAGCATTA AGGTGCAGAT ATTGACTGCC 180
 CCTCTTCATT ATGATTGGCC CACCCCTTAA AAAGACTGCA ACAGAGGATT CAATTGTCTA 240
 AAATACTTCG AAGTACAGAA ATTAAATGCT TTAGCCCAT AACATATCCC TCATCTATTG 300

5

TGTTGCTAGG GAACACATGA GCAAAATCTA TCATTGCGAC TTCTACTTCA GCAATCTCTT 360
GGCAACCACT GGGAAAGATGG TAGAAAACCT TNTCCAGTGG GGAAAGTACA TTTCCATTTA 420
AATGTTCCCTG TGACATGCTT TTCCACCCAT TGTCTTGCTC CAGATTTTCA ACTTTCAATG 480
AAGTCTGAC 489

Name: 148 Len: 372 Check: DA7
TTTCACCTTT TAATTTTATA TTATTTGCGT CATACTTTT CTGTAACGGA AGTGTTAATT 60
TTACTGTACT TTTTGGTACC TTTTGGGAAT CTAATGTATT GTAAGGTATT TTACACGTGT 120
CCTGATTTTG CCACAACCTG GATATTGAAG CTATCCAAGC TTTTGAAATA AAATTTAAAA 180
ACCCCAAGC CTGGGTGAGT GTGGGATATG CTGTGTGAGA CCTCTTGCTC AGGGTCGAGG 240
GAGGCGNGGG GGGGNGNNNC CNNNNNCCCT NNACTTTTNC CTTCTTCTGC NNCANGCTCT 300
TCCAGCTTGA GGCCAGTTG GGGGTATCC TTTAAGGACT GCCTTGCTTA GGGCTGGGCC 360
CCCTTTCAA GA 372

Name: 149 Len: 491 Check: CA
GTTTTTAAAA CAAGCAAATT TTATTAAGG AAAATTTTGC AGGTTTAAAG TTTGCAGGTG 60
AAATTTTGTG GGTGAAAAGG TTTACTTTTC ACCAGTCTGT TCTGGCATGC TTCTAATGAT 120
GTCAGAGTCA CCTGGATCAA TGATAGCCAG TGTGCACACT CTGTAGTATT TTCCGCATGC 180
TGTGCCCAGT TCAATATTAT TGCCACTGTA GTGATGGACA CCAGTTTTAG CCAACATAGC 240
ATAGTACTCT ATTTTCAGATT TCCTCAAAGC TGGGCAGTTG TTAGCGAGAA TGACCAATTT 300
CGCTTTGCCT TGTCTGATCA TCTTCAGAGT CTGCTTGATC CCCAGGACGT ACTTCCCCT 360
TTTCATAACG AGTTGGAGCC TAGAGTTGAT CGACTCCAGC GACTTTTTTCG TCTTCTTTGC 420
GGCCACCATC TTCCTGCCTT AGGAGCGGGA CGGCCCCCAA CCTAGAAGAG ACAGAGAACA 480
GGACAGGAAT T 491

Name: 15 Len: 601 Check: 1356
CGACAACGTG GCTGACAACC CATGTTCTTG CAGCCAGTCT CACTGTTGTA CACGATGGTC 60
AGCCATGGGT GTCATGTCCC TCTTTTGGC TTGTTTATGG TGTTACCTTC CAGCCAAGGG 120
TTGCCCTAAA TTGTGCCAGG GGTGTTATGA CCGGTTAAC AGGCCTGGTT GCCGCTGTAA 180
AAACTCAAAC ACAGTTTGCT GCAAAGTTCC CACTGTCCCC CCTAGGAAC TTAAGAAAAC 240
AACATAGCAT CATTAAATCAG GAATATTACA GTAATGAGGA TTTTCTCTGT CTTTTTTTAA 300
TACACATATG CAACCAACTA AACAGTTATA ATCTTGGCAC TGTTAATAGA AAGTTGGGAT 360
AGTCTTTGCT GTTTGCGGTG AAATGCTTTT TGTCCATGTG CCGTTTTAAC TGGATATGCT 420
TGTTAGAACT CCAGCTAATG GAGCTCAAAG TATGAGATAC AGAAGCTGGG TGANCCATGT 480
ANTGCATAAG CTAAAGCAAC ACAGACACTC CTANGCAAAG TTTTGGGTTG GTGAATAGTA 540
CCTTGCAAAA CTTGTAAATT AGCAGATGAC TTTTTCAT GGGTTTCNCC AGAGAGAATG 600
T 601

Name: 150 Len: 455 Check: 254B
CATGTTTAAAT TTATTATTAT TGCAAAAGAA CAGTTTTTCT CATGATTAGT GAAATAGAAA 60
ACTCACAATA TACTTAAGAG TCTGCAACAA GTTACATAGA ATCAGAGGCA CTTCAAAGGC 120
TTAAAAAGAC GTTTACAAC TAAATGCATT TTTAAGAACA AAAACTGATT TTTCTTTAAA 180
CCTCTACTCG TACCTTCAAA TTGCAAGAAA TTAACAAATA CAGTGGCCAA AGGAATCTGC 240
AGCAACTTCT TAAAATACTG TTAACATCTT TGGGTTTGCT GAGGCTTGTC AGTAACTTAC 300
ATCAAATCCT CCCAAAAGAA GATCTGATTA GATAGATATG ACTAAACGGT TTTGTAGTAA 360
TAATCCAATT TTACACATTA ATTTGCTGTT GCAAATCTGC CCAAAGCTAC AGGTAATGAA 420
AAATAAGCA AGTGTAATAAT GGATAGTCTG ACAT 455

Name: 151 Len: 465 Check: B98
AGCTTGTGCA CGCTGTGCGA GGGGTGGATC CTGAGCTGCC GAAGCCGCCG TCCTGCTCTC 60
CCGCGTGGGC TTCTCTAATT CCATTGTTTT TTTTAGATTC TCTCGGGCCT AGCCGTCCTT 120
GGAACCCGAT ATTCGGGCTG GCGGTTCCG CCGCCTGGGC CTAGGGGCTT AACAGTAGCA 180
ACAGAAGCGG CGGCGGCGGC AGCAGCAGCA GCAGCAGCAG CAATCTCTTC CCGAACACGA 240
GCACCACAGG CGCCCGAAGG CCGGAACAGG CGTTTAGAGA AAATGGCAGA CGATATTGAT 300
ATTGAAGCAA TGCTTGAGGC TCCTTACAAG AAGGTGAGAA AAAACATGTC GGTGAGGTTT 360
ATATATTTCT TAAATTAGCA TTATTCACGA AACTACTGCT GAAATGTAAA CTAACTTCC 420
CGGAGCCCTC TTGATTTATC CTATTAGAGA TGCCTTACCT TGTAC 465

Name: 152 Len: 386 Check: 1BC9
TCCTTCTTAG TTTTCTTCCC AAATGGTTCC TCAGCCCCAG TGCTGGGCCC TGAAATAGGC 60
CCAGCTCCCT GTATAGTTCC CACAGAGCTG GCCACACCAT AAGTCAGGGG CAAACTGGAA 120
CTGTGGGAAG GAGCTGCAGC CTGTACTTCC CTTTCAGTTA GAGCCTGAAG CTGGAGGAGC 180
TTCTTTAGCA AGTACCTTCT TTCTTCTTTT GCTTTAAGAA ATTTTTCCTC AAGACGAGCA 240
ATTCATCAC AAATAGCAGC ATTTTCAAAC ACCGTGGCCT TGGCCGCTTT GCGCAGCCGC 300
AGGTACTTCA GCGGTACTT CTCACTTCTG CTCTTCTTCC GGAGCTTTTT CATCCTGGCC 360
TTGCTGGACT GCANCGEAGC CCGCGG 386

Name: 153 Len: 601 Check: DA2
TTTTTTTATT GGCTTGGTTT TTATTTCTAT GCTTATAAAA AAAATATGAA GCTTCTTTGT 60
GTGCACTGAA GGGGTGTTAG CCTGTGGATG TTGGTCTTCC GTGCCGTGAC CCCAGTGGCT 120

10

GTTTACATTC CAGGCCCCCTG CTAAATAAAG CAGGCTCCAC TGCCAGCTGT CTGTACACTT 180
 TTTCTGGGGG GAAGAGTTCT TGTCTTCAGT TTACTGCAGT AGGGTTCCTG GCTCTGTTAC 240
 ATGCTCATGT GTTCCGGAAG AACATATGAA ATATCATCCC ACGGATGACG ATACAGCCCC 300
 TGCTTCAGCC TCTTCTGATC AAGATAGTGT CCAATGAACC CCATACTCCT TCCCAGCACA 360
 AAGATGCCAT TGAGGGCTCC AATGTCAATA TATTCATCAG CTTCTCTCCG AGTAAAGGAC 420
 CCACAGTTTC TAAGCATGTC TACAAATGCG ACTCCGATGA GACCATCTAC ATTCAGGATA 480
 AGATTGGCT TCTTCGAGGT GTAATCTTCT CTACTTCCAG TGCATAAATC GAGCAGAGAG 540
 TGGCCANGGA GTGCTGCCCT GCGTAATCTT TTGAGATCTG CACTCGCATG TTCTGGGTGT 600
 T 601

Name: 154 Len: 340 Check: 21AF
 GCGTTTTCAT ACTCTTTATT GCCAACGGTT TAAATATGTC AACATAAAAA AAAAAGACAT 60
 TTTGATAATA AATACTGCTC TTTGGGCTGT AATAAATAAA AAGTTTATTA ACAAGGAATG 120
 CACTTTTCCA GOCACAAGTA TCTTCAAAAA TTAATGAAAA AAAATTATAT ATGGCCATAG 180
 TTCACAGTTA CGCAGCCAAA AGCTGCTCCA ATTACAGCCT TTAACAACA TGGGAGCTTC 240
 CTCCCTTCTC CCTCCCTTC AGGAAGTATA TTCACAGTTC CAAAGTCCTC TGGCTGAAAT 300
 GCTCTCAACA GAGAGAATTT AAGAATCAAT GCACCTTTCT 340

Name: 155 Len: 759 Check: 21EB
 CCTGGTCTTA CTTTCCCTC CTCATCTTCC TTTTCTCAC TGTCTGACTT TTCCTCACTG 60
 TCGGACTTCT GTTGCTTTT GGTTTCAGAC TTCTCATCTT TCTTTAAGTC TGCTTTTGGT 120
 CCTTTGTATT CATGTGTGTA CAGAGGCTCA AAGGAGTCAA TGAAGCCAC ATCAGCAGTC 180
 AGATTTGGCA AGAACCACAAA GTGGTGCCTT CCTCCAGTTA TGAGCCAAAT GATGAGAAAT 240
 AGAATGCATC GAGCAACAGC AAGGAGAAGA ATACTGGCTA CAAAACAGCC TGCACCCACA 300
 CTGAGGTAAT AAACACCTAC TCTCATTTCT GCTGGCCAAA GGGGGAAGAG GGTGGCCGCT 360
 ATTACTGCAA TCACAAGAAT TAATCCCATG ACAAATGTTT TAAAGTGAAC TGGGTCAATG 420
 ATCCATACAT ACACCTCATT TCCATCCAGA AAAACCTGAT CATCATGTGG CTAAGTTTGA 480
 ATTTTCTCTA GTTTCCTTCT TTTNTAGAGT TCCCTGAGTT TCCTCCTTTT TGATTCTTCT 540
 TTTCACCATC TTTTNTTCT CTTTTCTT TTTTGGCTCT CATCCCTTAT ATTTNCTTCT 600
 TGCTCTTTTA TCNTCTCTT TCACTNTCAG CTTTCCCTTA TCTTTTCTT TCCTATGCTT 660
 ATCATATTCA TTCCATACCT TAGGGGGCTG TGAAAACTG CTCTAAAAAC TCTGTGAGTC 720
 ACCACAAANT CCCCTGTGAA TAAGTNTCTT CTTCTGCTT 759

Name: 156 Len: 703 Check: 24F3
 TTTTGTAGAA TACACAGGGA GCTTTATTAT ACAAATGGC GGGGTGGGGG GCGGCAAGCA 60
 GCGGATGGCA TCAAAGAGGC GAGGGTAGGT CATGCTGGCA ACAGGAAGCA ACTTCTTAGC 120
 CAGGGCCGGG GGGCGGGTGT CTGGCTGGAA TCTCCCTGG GTACATGGAG GGTGOCAGCC 180
 GGCTGGACCT GCAGACCCAG GAAGCGAGAT GGGACGCCTA GGGAGCCGGG CCCCCTTCCA 240
 CAAGCACCTT CTCATACTTC CCATGCCCCG TGGCCACAAA CTTATACCTC TTCCAGATG 300
 GGGTGCTCTT AATTGTTGAT GAGGTCTTGG AGCCTCCCTT CTGCTCCAG AGGCTTTTCT 360
 TGCTCATGTC TCCAGCCACA ATATCCTTGC AGGACGGAGT CTTGGCCGCA GACTGAGCCT 420
 GTACCTCACC CGTCTCCAC CGACTCTTGG TACTGGCCAC AGCCATGCTG GGCAGCTCTA 480
 TGGAGGCCTG GCNNGGCTAG CTTGGGGTCC GGCCAGCGT CTCGAATGGC CTGGTGTATT 540
 GTCCAGCCA CTGATCAATC CTGGAGATGG GCAAGTCTTG CCTGGATTTC TTCACACTGG 600
 TACTCTTCTT TATTGGAGCG TTTAGGGGAC TCGTCTGTG NATGAAGTTG GTGTNGGCTC 660
 CAGGGAAGCG AGCTCTGGTC GATGTCCCTT CAAAACCAAG GGG 703

Name: 157 Len: 757 Check: D7F
 CTTGGTGTGT CCGCTTTAGA AGGTCAAAT TCTCGTGAAG CTCTTTCTCT GCCTCCTTAA 60
 GTTCAGCTTC TTTCTCCTTC ACTCTCATAA CAAACATTTG TCTCATTTCT TCTTCTTTCT 120
 TCTGCAGTTC TCCCAGGAAT TCATTCTTTT TTGCTTCATA TGTCTCCTGA AGACTGAAGG 180
 GTTGCTGTC AGGGTCAGTG TCCTTGAACC CCATCTCTTC AAGCTTACAG CGTCGGTACA 240
 ATTCATAGTG GCGGGTGTGA GTCTGCTCTC GCAAGTCTTC CATGTTACAG CGGATCAGCA 300
 TCTCTCGAAG TTTCAAAAA TCGCAATGAT TTTCAATTCT AACCTGCACC ACACCCAGG 360
 GGTACTGCCT GGCCTTTGCC ATCTTGTGTC CAATCTTCAC CTCTTCGGTG CTGCCAACCA 420
 CTGCAAATGG GAGATGGACA CTCATTGTTG CGTTAATCTC TGCCACCGTT TCTTCATCAG 480
 TGGGAACTG ATATCTCTGG ACCCATTCG TGACCACTTC ACTCATGATC TTACTCTTGA 540
 ATNTGTGCAG TTCATTCTTG GCAATGTGTC GACTTTTGCA AATATTGGGA ATGATGTCAC 600
 CTTACTGTCC AGCTTTTTC TGGTGACCAG ATCCCAGGGA CCTTAGTGAN TGTGAGTANG 660
 GGGCAATAAG TAGAGGCAAG GCATGAATCC TCGTGTCTAG GTAGTTTGAG AAGAGACCGT 720
 TAAATCTCAT TTTNCTCTGC NGTANGCCCT CGAACTG 757

Name: 158 Len: 455 Check: E81
 GGAAGTAAAA AAACCTGTTT CAGGCTTCAT TTATTGCTAC ATAATGACTA CTTCAAGGGT 60
 CATCTGGCCC TCGTTCAGTC ACTCTTAGAA GTGGTAAATA CAGTGGTATA GTTTGGAAGG 120
 AAAGGAGGAA AAAAATAATG CATTGTGATA CAAAAATATT ACCTACATAT AAATTATTAA 180
 AGATTTATAA AACATTCAGA ATATGTTCTT GCTATAAAAA CAATATACTT AAATATAGAA 240
 GCAAAAAGTC CTGAAGCACC CGCAATTATT TTAATATCCA TTTAATCAGG GAAAACATA 300

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TATGTGGATA TATAATACAT ACATATGTAA TAATTTGAGA AGAAAAAAGG CAAAATTCTG 360
ATTATAATCC AAAAAGAGTT TATCTAATTA TGGAGGTAGG TCTCCACTCC AATTATACAA 420
ATAAGTTATC AGTTTTATTC AAAGAATTAT AAGTC 455

Name: 159 Len: 486 Check: E17
TGGTTTTCTT CAGCCGCGAGT CTTGTCTGCT CTGAAGAAAA TTCTTGCACT GCTCAGTGAG 60
AAATACAGCA ATTCAAATTC CTGTAGATAG ACATCCAGTC GCTTCTGAGT GAGATTTCATG 120
GTTTGTAAAG GTTTTTCATC TTGACTGGCT GACTGTACAT TCTGTTGCTT AGCAACTGCT 180
CTTATCTCCT TCAGGTATTT CTCTCTAACA GACTGGAACC AGTGAAGTGA ATCAAACCTCC 240
CGATACTGAT CCAAAGCTT TAGAATGTAA GCCACACCCA TGGCAAAGCC ATCATCAGTA 300
AAGGCAGCTC CAATTTTATTT TTTTTTATTT AATTTTTCCT TGCAACTAAT GGAATGCTCT 360
ACAAAGTTGA GGGTCAGAGG GGGAAACAATT ATATAGAAAT TTCGGAGATG TATATTCTTT 420
GGCCTTCGAA ATTCTGGAGC AAAAACGTCT ACAAGCATTT TGAAATATTC TGTGCCTTCG 480
GCAGAA 486

Name: 16 Len: 511 Check: AC8
AGAGGATCGC CAAGGCCGTC AACGAGAAGT CCTGCAACTG CCTCTGCTC AAAGTCAACC 60
AGATTGGCTC CGTGACCCAG TCTCTTCAGG CGTGCAAGCT GGCCAGGCC AATGGTTGGG 120
GCGTCATGGT GTCTCATCGT TCGGGGGAGA CTGAAGATAC CTTTCATCGCT GACCTGGTTG 180
TGGGGCTGTG CACTGGGCAG ATCAAGACTG GTGCCCTTG CCGATCTGAG CGCTTGGCCA 240
AGTACAACCA GCTCCTCAGA ATTGAAGAGG AGCNGGGCAG CAAGGCTAAG TTTGCCGGCA 300
GAACCTCAGA AACCCCTTGG CCAAGTAAGC TGTGGGCAGG CAAGCCTTCG GTCACCTGTT 360
GGCTACACAG ACCCCTCCCC TCGTGTGAGT CAGGCAGTCG AGGCCCCGAC CAACACTTNC 420
AGGGGTCCTG CTAGTTAGCG CCCACCGCCG TTGAGTTCGT ACCGTTCTTA GAATNTACAG 480
AAGCCAANTC CTTGGAGCCT GTTGCACTCT A 511

Name: 160 Len: 638 Check: 251
GGGGCTCCTC TTCACTTTCT TTATCTTCAT CATCTGAAGA CTCTTCCTTG TTTTCTTTT 60
CATCTTCATC ACTACTAGAT TCATCTGACA GAATTTGAGT ACATTTGGTT CGCTTAGCCT 120
TACTTGCCAT TCCAGAAGCTG TTCCGGTCCT TTTTACTGCC TTTGCTACAA GACTTTTTTA 180
ATTTGCGCAA TGGTTTGCCA GAACGCTTTG GATGCATTAA GAAATTCAAG ATCCTCTTCA 240
CTAGTTCACT ATTTACACCT GATCTCTCCA AATCAAGAAC CTCACAGATG CTCTTTAACA 300
TGGCATTTCT AAACCTTTTTC AACATTTCTT CCTTCTTTT ATATTGGACA CTTCTTTT 360
CAAATGGAAA GCCACTGAAC TGACCCACAT TCTTCTTTAA TGAGGACACA CAGCCTGGCC 420
TGTGTAAAG CACTTTGTGT ACATATCTAA GATCATCCGT TTTCTTCTTA CTTAGAAAAA 480
CATGTATGCT CTCAATTTCA CAAAGCGTCT GCCGCTTTCC TTGCTGCATT GTAAATTGCT 540
CTCTCTGAG CGAGAGACGT GCATGGCAC CTCTCTACTT TTTCTTTTCC CTCTTGCCTT 600
CCCGAAAGAA CCTTTTTTTT TCTTCTCCT CTTCTCTC 638

Name: 161 Len: 845 Check: 445
GAATTCGGCA CGAGCCTGTC TGGAGGAGTG GTAGTGAGTG CTATATTCTT CATTTTGTCT 60
GCCAATATCT TATCATCTCC CTCTAAGAGA GGACAAAAAG GTACCCTTAT TGGATATTCT 120
CCTGAAGGAA CACCTCTTTA TAACCTTCATG GGTGATGCTT TTCAGCATAG CTCTCAATCG 180
ATCCCTAGGT TTATTAAGGA ATCACTAAAA CAAATTCTTG AGGAGAGTGA CTCTAGGCAG 240
ATCTTTTACT TCTTGTGCTT GAATCTGCTT TTTACCTTTG TGAATTATT CTATGGCGTG 300
CTGACCAATA GCTCTGGCCT GATCTCCGAT GATTTCCACA TGCTTTTGA CTGCTCTGCT 360
TNAGTCATGG GACTTTTTTG TGCCTGATG AGTAGGTGGA AAGCCACTCG GATTTTCNCC 420
AAGGGTACGG CCGAATAAAA ATTCTGTCTG GATTTATNAA TGGGCCTTTT TCCAAANAGN 480
AAANAGCGGT TTTTGGGGTT ANGGGAGNCA AGNGGCAAGA TGGATTGGAN CCCCAGGAA 540
TTAAGGCNNC CCACANNNGA AACACCCAGN NCCANTTGGN GGGNGNNNAA NNAAACCCTN 600
ANTGGGACCN GGGNCCTTNA NCCAAGGCCC AAGNCANGCC CAGGGGGGCT CCNCAAGGGG 660
AGNNGCANCN AAANNGGGNC AAAGGNCTTT CAAACNCANN GNGGGGNCNA AGGGACCCNG 720
GGGNGGGGGC AACNCGGGG TNNGGGGGG GNGNAAAAACN CAAAANNGGG GGGNATCCCA 780
AAAGGTTGGG AAAAACCN TG AAAAANGGG GGNNGGNCC AAAGGCCNAA AAANGNGTGG 840
GGGGC 845

Name: 162 Len: 496 Check: 176A
TGTAATACCT CCTCATCTTT TCTTCTTACA CAGTGTCTGA GAACATTTAC ATTATAGATA 60
AGTAGTACAT GGTGGATAAC TTCTACTTTT AGGAGGACTA CTCTCTTCTG ACAGTCCTAG 120
ACTGGTCTTC TACACTAAGA CACCATGAAG GAGTATGTGC TCCTATTATT CCTGGCTTTG 180
TGCTCTGCCA AACCTTCTT TAGCCCTTCA CACATCGCAC TGAAGAATAT GATGCTGAAG 240
GATATGGAAG ACACAGATG TGATGATGAT GATGATGATG ATGATGATGA TGATGATGAT 300
GAGGACAACT CTCTTTTTTC AACAGAGAG CCAAGAAGCC ATTTTTTTTC CATTGATCT 360
GTTTCCAATG TGTCCATTG GATGTCAGTG CTATTCACGA GTTGATACATT GCTCAGATT 420
AGGTTTGACC TCAGTCCCAA CCAACATTCC ATTTGATACT CGAATGCTTG ATCTTCAAAA 480
CAATAAAATT AAGGAA 496

Name: 163 Len: 491 Check: 21BF
TAAGGATTAA AAACGATTTT AATTATACAC ATATGGTCAC AATTTTGCCT TAAAAAGATT 60

12

GTTGGGAAAT	GTACATAAGG	COGCTTGTA	ATGTACATCG	TGTTACTGTT	ATGTCTTATG	120
TCCAGAGGAA	AAAATGTTAT	CATACAGATT	TGCTCTTACT	TGGGAGTAGG	CTATTCAAAA	180
ATACAGTACT	CTTCTGTACA	AAGAAAAAG	TCACATCACA	TTTAATAAGA	TGAAAAAAGC	240
ATTGGCCTCC	ATGGTAACCA	AATATCTCAG	TCCAATACTT	TCTATTATGC	ACAATACCCCT	300
GACTTCAATT	GAAAGTGATC	CAAATTCTAG	CAGGTCCATA	TTAACAGTCA	ACAACATATGT	360
TATAAAACAA	AATGATCTCA	CAATAATAAA	AAGAAAGCTG	GTTTCATACTT	CTGAAACCAT	420
ATAAAGATAA	AAAATTTTTA	AAAAATCACT	CTCGATTTGG	AGAAATAAAT	TTACATTATA	480
CAACACTATA	T					491

Name: 164 Len: 457 Check: 1689

TTTTTCTGTT	TATGACACTT	TATTGATGCT	GGGGGGGTGG	GGAGGAGACC	TGGAGAAATA	60
TGTGGGGGCA	AGAGTCCCCA	GGTGGGGACA	GGGAAAGTGT	TGAAGCCTGG	CCACTACTGG	120
GCAGGGAAGA	CAGAGTTGCC	ACTGTATGCA	CAGGGGATGA	GCAGCTGCCG	GTACTCCAGG	180
GGCAGGTGCC	GCTCCACTAG	CACGTGCAGT	GAGACTTGGT	CAGTGACCAG	GCCCTGCCGC	240
CGCATCAGCA	GCTCCAGGTC	CTCTGGCTTC	ACAGTCTTGC	GGCCAGCATG	AGCAGCAAAT	300
ACCTCCAGAT	CATCACAAAG	ATGCTGGAAA	TATTTATCTA	GGCACTTCTC	CACCATCTCA	360
AGAGCCTTCC	TCTCCATGGG	CATCTTGGCA	TAGAAGCTAA	AGAGTTTCAC	ATAGTGGCTC	420
AGTCCAGCCT	TGTGGGGATC	TTGCCGGNGC	CTGNGGC			457

Name: 165 Len: 477 Check: 17AD

TTTTTTTTTT	TTTTAGTTTT	CTTCCCAAAT	GGTTCCTCAG	CCCCAGTGCT	GGGCCCTGAA	60
ATAGGCCAG	CTCCCTGTAT	AGTTCCCA	GAGCTGGCCA	CACCATAAGT	CAGGGGCAAA	120
CTGGAAGTGT	GGGAAGGAGC	TGCAGCCTGT	ACTTCCCTTT	CAGTTAGAGC	CTGAAGCTGG	180
AGGAGCTTCT	TTAGCAAGTA	CCTTCTTTCT	TCTTTTGCTT	TAAGAAATTT	TTCTCAAGA	240
CGAGCAATTT	CATCACAAAT	AGCAGCATTT	TCAAACACCG	TGGCCTTGGC	CGCTTTGCGC	300
AGCCGCAGGT	ACTTCAGCCG	GTACTTCTCA	TTCTGGCTCT	TCTTCGGGAG	CTTTTTCATC	360
CTGGCCTTGC	TGGACTGCAG	CGGAGCCCGC	GGCGAGGAAG	CGAGGCCGTC	CAGCAGGCTC	420
ATGGTCCAGC	CCCGCTACGG	GGGCCCCAGG	ACGCTGCCGG	CATCGGATCC	TAAGTCG	477

Name: 166 Len: 468 Check: 19A4

GAGAAGACGA	CAGAAGGGGC	TACTGCGGCA	GAACCAGAGG	GCCCTGAACC	GTGCCATGCG	60
GGAGCTGGAC	CGCAGCGGAC	AGAAACTAGA	GACCCAGGAG	AAGAAAAATCA	TTGCAGACAT	120
TAAGAAGATG	GCCAAGCAAG	GCCAGATGGA	TGCTGTTCCG	ATCATGGCAA	AAGACTTGGT	180
GCGCACCCGG	CGCTATGTGC	GCAAGTTTGT	ATTGATGCGG	GCCAACATCC	AGGCTGTGTC	240
CCTCAAGATC	CAGACACTCA	AGTCCAACAA	CTCGATGGCA	CAAGCCATGA	AGGGTGTGAC	300
CAAGGCCATG	GGCACCATGA	ACAGACAGCT	GAAGTTGCCC	CAGATCCAGA	AGATCATGAT	360
GGAGTTTGAG	CGGCAGGCAG	AGATCATGGA	TATGAAGGAG	GAGATGATGA	ATGATGCCAT	420
TGATGATGCC	ATGGGTGATG	AGGAAGATGA	AGAGGAGAGT	GATGCTGT		468

Name: 167 Len: 399 Check: BC8

TTTTTTTTTC	TTAGGTTTAT	AATCAGCATC	ATCCTCATCT	CGAGGTCTCT	TTAATGGCTT	60
TATATCCTCT	TTAGGAGGAA	CAAAATAGCC	ATCATCTTCA	GGTTCATCTT	TAATTTGTGG	120
TGGACTAGAG	AAGCCATTTT	CCTTCTCCTT	CTTTATTTTT	GCATCCCCAG	AGGCTCGAAC	180
CTTTTCTCT	TTTCGTTTTT	CCTTGTCTCT	GTCTTTATGT	TTGTCTTTAT	GCTTTTCTGA	240
GCTTCCATCT	TTGTGTTTGG	TCTTCTCCTT	CTCTTTGTGT	TTCTTTTCAG	AATCTTTATG	300
TTCACTGTTG	CTATGCTTGG	ACTTTTCCCG	GNCCTTCTCC	TTTCTGGGTT	CTTTTGNCC	360
GNGGTCTCGA	TCCTTTGGTT	ATTTTTGTGT	TATGAGAAT			399

Name: 168 Len: 557 Check: F21

GAGCCCAAGC	GCCTTCTCCG	CACCAGGGAA	GCCCCACCCA	CCAGAAGCCA	AGATGTCCAG	60
CAAGCGGGCC	AAAGCCCAAG	CCACCAAGAA	GCGGCCACAG	CGGGCCACAT	CCAATGTCTT	120
CGCAATGTTT	GACCACTCCC	AGATCCAGGA	GTTTAAGGAG	GCTTTCAACA	TGATTGACCA	180
GAACCGTGAT	GGCTTCATTG	ACAAGGAGGA	CCTGCACGAC	ATGCTGGCCT	CGCTGGGGAA	240
GAACCCACA	GACGAATACC	TGGAGGGCAT	GATGAGCGAG	GCCCCGGGGC	CCATCAACTT	300
CACCATGTTT	CTCACCATGT	TTGGGGAGAA	GCTGAACGGC	ACGGACCCCG	AGGATGTGAT	360
TCGCAACGCC	TTTGCTTGCT	TCGACGAGGA	AGCCTCAGGT	TTCAATCCATG	AGGACCACCT	420
CCGGGAGCTG	CTCACCACCA	TGGGTGACCG	CTTCACAGAT	GAGGAAGTGG	ACGAGATGTA	480
CCGGGAGGCA	CCCATTGATA	AGAAAGGCAA	CTTCAACTAC	GTGGAGTTCA	CCCGCATCCT	540
CAAACATGGC	GCCAAGG					557

Name: 169 Len: 564 Check: 163

ACGACTTGGC	CATGCTGAAA	CAGATGAACA	ATTACAGAAT	ATTATATCTA	AATTCCTTCC	60
TCCTGTTTTG	CTCAAATCTT	CTAGCACCCA	AGAAGGAGTA	CGTAAAAAGG	TAATGGAACT	120
GCTGGTCCAT	CTGAATAAAC	GTATAAAAAG	CCGCCCCAAA	ATACAACTTC	CAGTAGAGAC	180
ACTGTTGGTT	CAGTACCAGG	ACCCTGCTGC	AGTTTCCTTT	GTACAAATTT	TTACTATAAT	240
TTATGTTAAA	ATGGGCTATC	CTCGCCTACC	AGTGGAAAAA	CAATGTGAAC	TGGCCCTTAC	300
GCTTCTTACT	GCCATGGAAG	GGAAAGCTCA	GCCACAGCAG	GATAGCTTAA	TGCATCTTTT	360
AATACCAACC	CTTTTTCACA	TGAAATACCC	TGTTGAATCA	TCAAAATCAG	CTTCTCCATT	420
TAATCTTGCT	GAGAAACCAA	AGACTGTGCA	GCTGCTTTTG	GACTTCATGC	TAGATGTCTT	480

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TCTGATGCCT TATGGTTACG TGTAAATGA ATCCCAGAGT CGCCAAAATT CATCTTCAGC 540
ACAGGGTTCT TCTTTCAACA GTGG 564

Name: 17 Len: 338 Check: 14BF

CAATGCTTGA AGTATAAAAA GCTGAGAGTG TTCTCGGGCA GGGAGTCTCC AGAACCAGGA 60
GAAGAAGAAT TTGGACGCTG GATGTTTCAT ACTACTCAGA TGATAAAGGC GTGGCAGGTG 120
CAGATGTAGA GAAGAGAAGG CGATTGCTAG AGAGCCTTCG AGGCCAGCA CTTGATGTTA 180
TTCCGTGTCC TCAAGATAAA CAATCCTTTA ATTACTGTCC GATGAATGTC TGCAGGCTCT 240
TGAGGAGGTA TTTGGGGTTA CAGATAATCC TAGGGAGTTG CAGGTCAAAT ATCTAACCAC 300
NTTACCAGAA GGATGAGGAA AAGTTGTCGG CNTATGTC 338

Name: 170 Len: 457 Check: A6C

GATTGTATGG TGGGGTGGTG ACCTATTTTT ACAAATTATA CCTAATGAGT AAAATTAGTG 60
TAAAGTGATA ACATGCTTCT ACCTGTATTT CTAGTGACCC TTTAGCGGCA GGTATTTATA 120
CCTGGTATTT ATGATGCAGT ATATAAGTGG TGAACAATAA CTGACAGTAT TGTGCTTGCT 180
GTACATGTCT GGTCTTTTGA AACAGATTTT AGTAAGCATT TTCCAGAGGT AAAACTGTGT 240
CCTTATTCTA ATTTTATTCC TAGGGCAAAG TAGACAGGGA TTATTTTCCTT GAATCTATTT 300
CCAAATTAAT ATTTTTCCTT TTGGTATTTT TACACTTTAA GGCCATTTGG TGCAATTTAG 360
AAAGTGTTGG CCTCCCTTCC GCTAGCCACA TTCANAATTA ACTTCCAAA CCTCAGGAAC 420
AGTACAAAGA ATTGAAACCC TCAATATGGC AGCAGAG 457

Name: 171 Len: 527 Check: 703

TTTTTTTTTT GATGGATACT AAGGGAGTAT TTTACTGAAA AAAATAGAAA ACTACATTTT 60
TACACGAAAT AAACCTATGT CTGCAATACT CAGCCTTAAA TTCACCCCTC ACTTCAGAAG 120
AGGTCCCAGG GGCAGGAATA ACACGCACAG ATTGTTTGT CACGACTTCC AGCCGGTCCA 180
CCAGACCTCT GGCCAGGTAA TACTGTACAA AGTGCTTCCA CGTGATTTCT CTTCCAGGAT 240
CTCGAAAATA GAGGTAGAAA AATCCCATGG CAACGCTGTC CCCCAAAAGG GCCAGACTGC 300
GGAAATCCTC GTCATCCCAG GGGAAGTCCC CCTTCTGCA TCCGCTCCA CCAGGCAACG 360
TTATCCTGCT TCCCTCCTCT CCTGCCCTCG TCTCCTCCAG ACTCAGCATT CTCTAGTTCA 420
CCAGTCTCTT TGGGTGGTTT TGAACACAG CACCAGGAAA ATAACGTGCG TCTTGCCTGC 480
AGAGTCAGCT TCTGAACGTG GATCCCCTGG AAGCACTGGA ACAGGAG 527

Name: 172 Len: 546 Check: 101E

CGGCACGAGG GACAACGCAG CCTGATAAAC AAGTGGACGA CTTTTCTTAA GGCCAGACTG 60
ATTTGCTCAA TTCCTGGAAG TGATGGGGCA GATACTTACT TTGATGAGCT TCRAGATATT 120
TATTTACTCC CCACAAGAGA TGAAAGAAAT CCTGTAGTAT ATGGAGTCTT TACTACAACC 180
AGCTCCATCT TCAAAGGCTC TGCTGTTTGT GTGTATAGCA TGGCTGACAT CAGAGCAGTT 240
TTTAATGGTC CATATGCTCA TAAGGAAAGT GCAGACCATC GTTGGGTGCA GTATGATGGG 300
AGAATTCCTT ATCCACGGCC TGGTACATGT CCAAGCAAAA CCTATGACCC ACTGATTAG 360
TCCACCCGAG ATTTTCCAGA TGATGTCATC AGTTTCATAA AGCGGCACTC TGTGATGTAT 420
AAGTCCGTAT ACCCAGTTGC AGGAGGACCA ACGTTCAAGA GAATCAATGT GGATTACAGA 480
CTGACACAGA TAGTGGTGGA TCATGTCATT GCAGAAGATG GCCAGTACGA TGTAAATGTTT 540
CTTGGA 564

Name: 173 Len: 710 Check: 316

CTCTTCTTCT ATCTGGGCTT TCTTTTGAGC TCTTCTTTGT TTATTACGTA GCTTCTTTAG 60
CTCTTTGTCA GACATGTTTG CTGTATCAGC TTCGTGTTCT TTATTCTCAT CTGTAAGGGG 120
GTTGTATGTA AGCTTCAAAT AGATCTCTAT AGCAATTCTT GCTGCCTTGA AGTAAATGG 180
ATGCTGTCTGA AGTACATCTT CTAGTTTAA TAAGTCCACA TATGATCTAA GGGTAATCTT 240
CCTCATACAG TATGTATGAA AGTCAAACTG GTACATAGT ATTTCTATAA AATGTCTCTC 300
AATCTCATGA CATTTCTTAA GTGCTTCACC AAATTTATTC ATTGCTTTAT AAGCCTGGGC 360
ACATTCTGTT TGGAAACCACA TGCCTGTCAT TTCATTCAAA TTCTCTACCG CTGATGTTCC 420
TTCCCTTGTA AACTTTGAGC ACATTCTTCT AGCTTCTTTA ATCAGGTTGG CTTTTAGCAT 480
GTATTTTGCA CATTTGGAGT TGATAAATCT GTCTGCTGTG TCCAAGGCCT GNGCCTCATC 540
CATCCACCTT GCAGCTTCTT TAATATTTCC AGCATGCTTA TAGATTTTAG CTNTCAGCAG 600
AAAGANGTCT ATTAATGTAG TGTACTNTCA ATAGCAGTAT TTATGTACTC CANAGCANTA 660
GATGGCTGAC CAATTTTGTC ATAATGGTGT GCCAAGTAGT ACTTGACCCA 710

Name: 174 Len: 409 Check: 6EF

GGCAGGAGCA TTACTACATG TCCACAGGAA GTACAAAAGC CATCTTCATT TGAACGTAAA 60
TACAATAATC CTGAAATTTCT TAGCACCAGG TATTACTTTT AAAAGTAAAG ACAACCGAGT 120
GCTCTCCCCA CATATTGTTG ACTTCCCTTCT ACTCACACTG CATGTCAATT GAGATTTTAA 180
AAAGTTAGCT GCCACAGTTT TGGAAAATGC CAGTGTTTAA AAATAATTGT GTTAAAGAAT 240
CAAAAGTTTA GCGTAACAGA TTTTGAGTAC TTCAAACCAT TCAATGTTAC AAAGAAAAGT 300
GAAAATACCA TTCTTTGGTC TAGATTAGCT GTTCCCTTTA CATTAATTTA ACATTCCGAT 360
GGCTTTTTGA AAACTTTAAA AATGTTGAAA CTCCTAGAG AAAACAAA 409

Name: 175 Len: 410 Check: 152D

GGCAGGAGCT TTGCAGGGAA TGAATACTGG ATCTACTCAG CCAGCACCTT GGAGCGAGGG 60
TACCCCAAGC CACTGACCAG CCTGGGACTG CCCCCTGATG TCCAGCGAGT GGATGCCGCC 120

14

TTTAACTGGA	GCAAAAACAA	GAAGACATAC	ATCTTTGCTG	GAGACAAATT	CTGGAGATAC	180
AATGAGGTGA	AGAAGAAAAT	GGATCCTGGC	TTCCCCAAGC	TCATCGCAGA	TGCCTGGAAT	240
GCCATCCCG	ATAACCTGGA	TGCCGTCTG	GACCTGCAGG	GCGGCGGTCA	CAGCTACTTC	300
TTCAAGGGTG	CCTATTACCT	GAAGCTGGAG	AACCAAAGTC	TGAAGAGCGT	GAAGTTTGGA	360
AGCATCAAAT	CCGACTGGCT	AGGCTGCTGA	GCTGGCCCTG	GCTCCACAG		410

Name: 176

Len: 473

Check:

26B9

TTTTTTTTTT	TTTTTTTTTAC	AAAGGAAAAC	AAAGCTACTT	TTGGTTTTGG	CAACATTAAA	60
AAAGAAAGAA	ATATAAAAAG	CAATGTGGCA	TTGGTCCCTA	TTCAATTAAA	AAAAAGGGTA	120
CTTGGGCACG	ACACAATCAG	AATTAGTTTG	TTTTCTAAAA	TTCAAGATAT	CTGGGATTTT	180
AAAAGTAGCA	CTTTTTAAAA	AGTTCAACAA	GTCACATAAC	ACTTAAAAAC	TCAAAAAAGC	240
TTTCTGATAA	AAAGCTCAGC	TTTTAAATCA	CGTTTTGTTT	CTGCAAATTT	GGGAGACAAA	300
TTGAGTTCTT	ACTGGAATGT	GGCCTATCGC	TGGTTGACAA	ATCTGAAATG	GAATGTCTCC	360
AAATGGCAGT	GCCTCCCTTT	CCGCCCTCCC	TAGGACCACA	CCAATAACCA	GCTCCCAAGC	420
ACAAGTTCTT	GCTCCCATTT	TTTCTGTAGG	GGTGGGGGTG	GGACCTTCAG	GCT	473

Name: 177

Len: 423

Check:

F88

TTTTTTTTTT	TTTTTTTTTTA	CAAAGCTTTC	TGTAAATATT	TTATTTTCCA	TATTTTAGAG	60
TCAGAAAGAA	GCGCTTGGA	ATAAAAATAA	TAGAGAATTA	TTTTCTTCAA	GCCCGCTCTG	120
CGCTGCGCGG	GCCTCCCGCG	GCCCGGGCCC	ACGGCTGAGT	GCGCGGCGTC	AGAGGGCCCCA	180
AGTCCATCTC	ACTATTTACA	GATATGTTAC	AGGCCGGGAT	GGTCACAGAG	GAAAGCCCAG	240
CTCTCAGCAT	GGCCCCACGT	GGTGAGGAGC	CCCCAGGCTC	CTCCCGGCTG	TCTCGGACAG	300
AGACTGAGAA	GCCTGCCGCG	TCCCGTGGGG	GCCTAGGCTG	CGGCGGGCTC	CACGGGGGGG	360
CAGGAGTGGG	CCGTGATGTC	GCTGTGCTTG	TACGCCGCCT	CGTCCAGGTC	CAGCAGCCTC	420
CGG						423

Name: 178

Len: 304

Check:

1952

TCAGGTTCAA	GTGCTGGATT	GTGTCATGTG	ACCATCCCAA	AACTCAGAGC	ACCCTATGGC	60
CGTCTTTGCC	CTCTGTACAA	TAACTTGAAA	ACTGCCTGAT	GGCCTTTTTG	CAGTGGTTCC	120
CTCCAGGAAG	CCTTGATCTC	AGTTGAAGAA	GTTCTTTCCT	GGCATTCCAA	TGCCCTGTCT	180
AGCTCCATAC	TCCCTCAGACA	CCCTTAACAA	AGGCTGTCTAT	GCACACAATG	TGACAAATAC	240
ACAAAATAAA	TGATAATTAC	ACTAATAATG	ATATGTTTCAG	AGGGGCACTG	GCCAGGTCCA	300
CACA						304

Name: 179

Len: 541

Check:

1295

GGGGCAAAGA	AAAATGTGAA	GGATTGCAAC	TGCATTCTCTG	GAGAAAAATA	TGTCGTAAC	60
GCAAGTGTGG	CCAAGAAGAG	CATGATGTCC	TCTTGAGCAA	TGAAGAGGAT	CGAAAAGTGG	120
GAAAACCTTT	TGAAGACACC	AAGTATACCA	CTCTGATTGC	AAAACATAAG	TCAGATGGAA	180
TTCCCATGTA	TAAACGCAAT	GTTATGATAT	TGACGAATCC	AGTTGCTGCC	AAGAAGAATG	240
TCTCCATCAA	TACAGTTACC	TATGAGTGGG	CTCCTCCTGT	CCAGAATCAA	GCATTGGCCA	300
GGCAGTACAT	GCAGATGCTA	CCCAAGGAAA	AGCAGCCAGT	AGCAGGCTCA	GAGGGGGCAC	360
AGTACCGGAA	GAAGCAGCTG	GCGAAGCAGC	TCCCTGCACA	TGACCAGGAC	CCTTCAAAGT	420
GCCATGAGTT	GTCTCCAGAG	GAGGTGAAGG	AGATGGAGCA	GTTTGTGAAG	AAATATAAGA	480
GCGAAGCTCT	GGGAGTAGGA	GATGTCAAAC	TTCCCTGTGA	GATGGATGCC	CAAGGCCCCA	540
A						541

Name: 18

Len: 245

Check:

E67

AGGAAATTAA	CATTTTGATA	CCCATGCATT	GGTTCAGGAC	NTTGAAAAT	CATGGNTTTG	60
ACAAAACACA	AGCAGAAACA	ATTGTATCAG	CGTTAACTGC	TTTATCAAAT	GTCAGCCTGG	120
ATACTATCTA	TAAAGAGATG	GTCACCTAAG	CTCAACAGGA	AATAACAGTA	CAACAGCTAA	180
TGGCTCATT	GGATGCTATC	AGGAAAGACA	TGGTCATCCT	AGAGAAAAGT	GNATTTGCAN	240
ATCTG						245

Name: 180

Len: 685

Check:

531

TCGTGGAACA	AAAGTTATCC	TACACCTGAA	AGAAGACCAA	ACTGAGTACT	TGGAGGAACG	60
AAGAATAAAG	GAGATTGTGA	AGAAACATTC	TCAGTTTATT	GGATATCCCA	TTACTCTTTT	120
TGTGGAGAAG	GAACGTGATA	AAGAAGTAAG	CGATGATGAG	GCTGAAGAAA	AGGAAGACAA	180
AGAAGAAGAA	AAAGAAAAAG	AAGAGAAAGA	GTCGGAAGAC	AAACCTGAAA	TTGAAGATGT	240
TGGTTCTGAT	GAGGAAGAAG	AAAAGAAGGA	TGGTGACAAG	AAGAAGAAGA	AGAAGATTAA	300
GGAAAAGTAC	ATCGATCAAG	AAGAGCTCAA	CAAAAACAAAG	CCCATCTGGA	CCAGAAATCC	360
CGACGATATT	ACTAATGAGG	AGTACGGAGA	ATTCTATAAG	AGCTTGACCA	ATGACTGGGA	420
AGATCACTTG	GCAGTGAAGC	ATTTTTAGT	TGAAGGACAG	TTGGAATTCA	GAGCCCTTCT	480
ATTTGTCCCA	CGACGTGCTC	CTTTTGATCT	GTTTGAAAAC	AGAAAGAAAA	AGAACAATAT	540
CAAATTGTAT	GTACGCAGAG	TTTTTCATCAT	GGATAACTGT	GAGGAGCTAA	TCCCTGAATA	600
TCTGAACTTC	ATTAGAGGGG	TGGTAGACTC	AGAGGATCTC	CCTCTAAACA	TATCCCGTGA	660
GATGTTGCCA	CAAAGCAAAA	TTTTG				685

Name: 181

Len: 207

Check:

A9C

TTCTCAGAGG	AACGAGAATG	AATATGACTC	AAGCCCGGGT	TCTGGTGGCT	GCAGTGGTGG	60
GGTTGGTGGC	TGTCCTGCTC	TACGCCTCCA	TCCACAAGAT	TGAGGAGGGC	CATCTGGCTG	120

-15

TGTACTACAG GGGAGGAGCT TTACTAACTA GCCCCAGTGG ACCAGGCTAT CATATCATGT 180
TGCCTTTTCAT TACTACGNTT CAGAATC 207

Name: 182 Len: 530 Check: A17
AAATCATTCT GGTTCACGGA CACCTCCAGT AGCACTCAAC AGTTCCAGAA TGAGCTGCTT 60
CAGTCGTCTT AGCATGTCCC CAACACCTCT TGATCGCTGC AGATCACCTG GAATGCTTGA 120
ACCCCTTGGC AGCTCTAGAA CACCCATGTC TGTCCTGCAG CAAGCCGGCG GCTCCATGAT 180
GGATGGTCCA GGTCCCCGAA TACCTGACCA CCAGAGAACA TCTGTGCCAG AAAATCATGC 240
TCAGTCCAGG ATTGCACTTG CCCTGACAGC TATCAGTCTT GGCACCGCTC GGCCTCCTCC 300
GTCCATGTCT GCTGCTGGCC TTGCTGCAAG AATGTCCCAG GTTCCAGCCC CGGTGCCTCT 360
CATGAGTCTC AGAACCACAC CAGCAGCCAA CCTTGCCAGC AGGATTCTCTG CAGCCTCTGC 420
GGCAGCCATG AACCTAGCCA GCGCCAGGAC ACCTGCCATT CCAACAGCAG TGAACCTGGC 480
TGACTCTCGA ACGCCAGCTG CAGCAGCGGC CATGAACTTG GCCAGCCCCA 530

Name: 183 Len: 526 Check: 7E1
TGATAGTCAA CTGAGGCATC TACTTGTGAG TAATGTGGGA GGAGATGGAG AAGAGATTGA 60
AAGATTCTTT AAATTACATC AGGAAGACCA GGCTTGTGCA ACTTGCCCTTA TTCTTGCTTG 120
CTCCACTGCT GCCTGTGATA GAGAAGTATC TGCCCTGGGCT ACTCGGGCTT TCTTTAGGTA 180
TGGTGGTGCA GCACAGATGA GATTTCCAAC CACTCTTCCG CCTCCAAGTA ATGTTGGTCC 240
CATCTTGGGG TCTCCTGTCT ATTCTAGTTC TCCTGTTCCT AGTGGTAGTC CCTATCCAAA 300
TCCATCCTTT TTGGGAACAC CGTCTCATGG TATACAGCCT CCTGCCATGT CAACTCCAGT 360
GTGTGCTCTG GGAAACCCAG CAACTCAGGC CACAAATATG AGTTGTGTGA CTGGACCAGA 420
GATTGTGTAC TCTGGAAAAC ACAATGGGAT TTGCATTTAC TTTTCTCGGA TCATGGGAAA 480
CATTTGGGAT GCAAGCTTAG TTGTGGAGAG AATATTCAAG AGTGGC 526

Name: 184 Len: 612 Check: 1418
GAAGAAGAGG AAGAGGAGGA GGAGGAAGAG CAGCCGCAGG CAGCACAGCC TCCCACCCTG 60
CCCGTGGAGG AGAAGAAGAA GATTCCAGAT CCAGACAGCG ATGACGTCTC TGAGGTGGAC 120
GCGCGGCACA TCATTGAGAA TGCCAAGCAA GATGTCCATG ATGAATATGG CGTGTCCCAG 180
GCCCTTGCACT GTGGCCTGCA GTCTTACTAT GCCCTGGCCC ATGCTGTAC TGAGAGAGTG 240
GACAAGCAGT CAGCGCTTAT GGTCAATGGT GTCCTCAAAC AGTACCAGAT CAAAGGTTTG 300
GAGTGGCTGG TGTCCCTGTA CAACAACAAC CTGAACGGCA TCCTGGCCGA CGAGATGGGC 360
CTGGGGGAAGA CCATCCAGAC CATCGCGCTC ATCAGGTACC TCATGGAGCA CAAACGCATC 420
AATGGGCCCT TCCTCATCAT CGTGCCTCTC TCAACGCTGT CCAACTGGGC GTACGAGTTT 480
GACAAGTGGG CCCCCTCCGT GGTGAAGGTG TCTTACAAGG GATCCCCAGC AGCAAGACGG 540
GCCTTTGTCC CCGAGCTCCG GAGTGGGAAG TTCAACGTCT TGCTGACGAC GTACGAGTAC 600
ATCATCAAAAG AC 612

Name: 185 Len: 433 Check: C75
GTTTCTTCCA GACAAAGGAA TATCAAAACA CTTGGGCACA AGTACAACAA AGGCATGGGA 60
AGATCATGAT AATGTTTTAC ATCACATTTT ACAGCATTTT ATTTTAATCA GTATTTGTAG 120
AAAACAAGGA TGCTGAGTTC TTGAACACTG CAGTCACAAA CTCAAACTAA AATTTCCAAA 180
AAAAGGAAG AAAACACTGA ACTACTTGGT CAACTGAACA TCTGTAATAA TAAATGTAAC 240
GAAACCTAAC CAAATAAATA TGCCACTGAG ATCACAACCTG AAGTGTATGG TTTTGTAGTG 300
GTGCCAGAGA CATTAAATTA TTTAATCAGT TTTTGTACTAC AACCCAAAGC AAAGCATCCT 360
CTCTGTTTCC CTGATGATTT ATTCTAAAAG TAACCTTAAA AAGCAGAAAC TTGCTGGTTA 420
AAGAGAATTT CTG 433

Name: 186 Len: 377 Check: 2316
ATAATGCAAG CCCTTGCACTG GCAATCCAAA TTTATTGAAC TACTGATGCT AAGTTATACA 60
AAATTGCACC ACTTTAATTA AGGCTTTTAG TTTACATTTG GCCACCTCAA AGTAGTTGTA 120
ACATTAGGTT GGTCAATTTA AATACTGTGG CTCCCTGTTG GATAGACACA CAATCTTTAC 180
ATCCAAACAT TAATGCATAC AAAGCAACAA GGCATTGTTA AATAAAACAG CAATAGTTAC 240
TGCAAATTAG GCCTTGTTGAC CAATTACATA TGATTAAAAT TACTTCCCAC ATTCACATCC 300
ACAGTNACTC GTCCACCATT TAACATCTCA CCAANNACGT TACACATGTG AAACAATCAC 360
TAACAGGCAA AAATACT 377

Name: 187 Len: 413 Check: 6F4
GCTGTAGGTC GAGGGGAAGA CTTAGACTCC TTCTTTATAT TGGGTTTCCT TGAGCCTTTG 60
TGGGCTGCTT TGTGTCTGCT GGAGGGCATG CTGTAGCCA AGTCTACAGG GGTTCACCTT 120
TCTATCTTCA GGCCTCCAGC AGGCTCTTCA GCAGCTGCCT TCTCAGCCTT TTTGGGTTGT 180
TTTTTGCCTA CAGTTCTTCT CTGTGTTGTG CTGTCACTCT GTGCAGGAGA TTTCTGCCTC 240
CCACGCCAC TTTCTGATCC CTTTGGATG GTTTTGGAGT CTCGTCCCGG AGTAGCGGAA 300
CTCGTTTCTT TAGGTCCACT TGTATCAGTG TAGCTATTCC CAGTGCCCTG CTCTCGGCCT 360
TCCTTTTGT AGCCTTGAGA TGATGGGATG TTACTGTCCA CTGAAGAGGC GGG 413

Name: 188 Len: 378 Check: 13F6
CTGAAAAGCC ATCTTTGCAT TGTTCCTCAT CCGCTCCTT GCCCGCCGA GTCCGCTCCG 60
CGCGCGCCT CCTCCGCCG CGCGGACTCC GGCAGCTTTA TCGCCAGAGT CCCTGAACTC 120
TCGCTTTCTT TTTAATCCCC TGATCGGAT CACCGGCGTG CCCCACCATG TCAGACGCGAG 180

16

CCGTAGACAC CAGCTCCGAA ATCACCACCA AGGACTTAAA GGAGAAGAAG GAAGTTGTGG 240
AAGAGGCAGA AAATGGAAGA GACGCCCCTG CTAACGGGAA TGCTAATGAG GAAAATGGGG 300
AGCAGGAGGC TGACATGAG GTAGACGAAG AAGAGGAAGA AGGTGGGGAG GAAGAGGAGG 360
AGGAAGAAGA AGGTGATG 378

Name: 189 Len: 545 Check: 214D
TCTGTACAGAA GTTGTAGCAG TGTGTATAC TGTGTGATTT CATGGACTCT GTTTCAGACT 60
TGAAGAGCAA AGAAATTAAA AGAGCAACAC TGAATGAACT GGTTGAGTAT GTTTCAACTA 120
ATCGTGGTGT AATTGTTGAA TCAGCGTATT CTGATATAGT AAAAATGATC AGTGCTAACA 180
TCTTCCGTAC ACTTCCTCCA AGTGATAATC CAGATTTTGA TCCAGAAGAG GATGAACCCA 240
CGCTTGAGGC CTCTTGGCCT CACATACAGT TGGTATATGA ATTCTTCTTG AGATTTTGG 300
AGAGCCCTGA TTTCCAGCCT AGCATTGCAA AACGATACAT TGATCAGAAA TTTGTACAAC 360
AGCTCCTGGA GCTTTTTGAT AGTGAAGATC CCAGAGAACG TGACTTCCTG AAGACTGTTT 420
TGCACCGAAT TTATGGGAAA TTTCTTGGAT TAAGAGCATT CATCAGAAAA CAAATTAACA 480
ACATTTTCTT CAGGTTTATA TATGAAACAG AACATTTCAA TGGGTTGCTG AACTTCTTGA 540
ATATT 545

Name: 19 Len: 304 Check: 187B
GATCAAACAA AGTCTGATAG TCTATGCAAG TAACCAGCCA TGTATTGTGA ACAACTTCTC 60
CCACAGTGGC TTCCACTTCA CACCCAGCA GAGGAACCA AGCATAATCC GCAACAGTTC 120
TGCTCAGAAG GGACATGATT TTCCCAGCAT TTTCNTTTAA NNANGTTTGC GATGTTAGAT 180
TCATTTTTCAT TACTAAAACC CAAAACAAGG AAACCTTTTT GGCTAAATAA GCCTTCTTCA 240
GTAATTGTNG AAACATCAGG GGACACAATG ACTTGACAGA AGACTGGGT TTCCTTCTTT 300
GGCA 304

Name: 190 Len: 648 Check: 1E8C
GGGTGTGCGA TTGTGTGGGA CGGTCTGGGG CAGCCCAGCA GCGGCTGACC CTCTGCCTGC 60
GGGAAGGGA GTCGCCAGGC GGCCGTCATG GCGGTGTGCG AGAGCCAGCT CAAGAAAATG 120
GTGTCCAAGT ACAAATACAG AGACCTAAT GTACGTGAAA CTGTCAATGT TATTACTCTA 180
TACAAAGATC TCAACCTGT TTTGGATTCA TATGTTTTTA ACGATGGCAG TTCCAGGGAA 240
CTAATGAACC TCACTGGAAC AATCCCTGTG COTTTATAGAG GTAATACATA CAATATTCCA 300
ATATGCCTAT GGCTACTGGA CACATACCCA TATAATCCCC CTATCTGTTT TGTAAAGCCT 360
ACTAGTTCAA TGACTATTAA AACAGGAAAG CATGTTGATG CAAATGGGAA GATATATCTT 420
CCTTATCTAC ATGAATGGAA ACACCCACAG TCAGACTTGT TGGGGCTTAT TCAGGTCATG 480
ATTGTGGTAT TTGGAGATGA ACCTCCAGTC TTCTCTCGTC CTATTTCCGC ATCCTATCCG 540
CCATACCAGG CAACGGGGCC ACCAAATACT TCCTACATGN CCAGCATGCC AGGTGGAATC 600
TCTCCATACC CATNCCGATA CNCTCCANT CCCAGTGGGT ACCCAGCT 648

Name: 191 Len: 339 Check: 127B
GCTGTTTAAAG CTCAGGCTAA AGATGATATA AATAGAGGTG CACCATCCAT CACATCTGTC 60
ACACCAAGAG GACTGTGCAG AGATGAGGAA GACACCTCTT TTGAATCACT TTCTAAATTC 120
AATGTCAAGT TTCCACCTAT GGACAATGAC TCAACTTTCT TACATAGCAC TCCAGAGAGA 180
CCCGGCATCC TTAGTCTGCG CACGTCTGAG GCAGTGTGCC AAGAGAAAT TAATATGGAG 240
TTCAGAGACA ACCCAGGGAA CTTTGTAAA ACAGAAGAAA CTTTATTTGA AATTCAGGGA 300
ATTGACCCCA TAGCTTCAGC TATACAAAAC OTTAAAACA 339

Name: 192 Len: 252 Check: 1228
TGATAGTGAT GGATGGACGC CGCTGCATG CGCTGCCTCT TGTAACAGCG TTCACCTCTG 60
CAACAGCTG GTGGAGAGTG GTGCCGCCAT TTTTNCCTCA ACCATAAGCG ACATTGAAAC 120
TGCTGCAGAC AAGTGTGAGG NGATGGAGGA AGGTACATC CAGTGCTCCC AGTTTCTATA 180
TGGGGTGCAG GTGAAGCTGG GTGTGATGAA CAAAGGTGTG GCNNATGCTC TGTGGGACTA 240
CGAGGCCAG AA 252

Name: 193 Len: 272 Check: 27D
GACAAACAGG ACTACCCGCA GCCCTCGGAC CTGTCCACCT TTGTAAACGA GACCAAATTC 60
AGTTCACCCA CTGAGGAGTT GGATTACAGA AACTCCTATG AAATTGAATA TATGGAGAAA 120
ATTGGCTCCT CTTACCTCA GGACGACGAT GCCCCGAAGA AGCAGGCCTT GTACCTTATG 180
TTTGACACTT CTCAGGAGAG CCCTGTCAAG TCATCTCCCG TCCGCATGTC AGAGTCCCCG 240
ACGCCGTGTT CAGGGTCAAG TTTTGAAGAG AC 272

Name: 194 Len: 334 Check: 19FD
GAGANCCTGG AAAAATTAAC CACATGAGAN ACGATACACT AGCCCAGATG TTGACGTTGG 60
GAAATATCCG TNCTGGCAAC AAAATGATTG TNATGGAAAC GTGTGCAGGC TTGGTGCTGG 120
GTGCAATGAT GGAACGAATG GGAGGTTTTG GCTCCATTAT TCAGCTATAC CCTGGAGGAG 180
GACCTGTTCG GGCAGCAACA GCATGTTTTG GATTTCCCAA ATCTTTTCTC AGTGGTCTTT 240
ATGAATTCCC TCTCAACAAA GTGGGACAGT CTTCTACATG GAACATTTTC TGCCAAGATG 300
TTATCTTCAG AGCCAAAAGA CAGTGCTTTG GTTG 334

Name: 195 Len: 352 Check: 13BF
TTTTGGTTTT GTCAAATGTT TTATTGAGTG TAGACATCTG GAGTACTGTA AAACATGCAT 60
TATCTGTAGA TTCAAAAGG AGCAAGCCAC ATTGTCTCTA CTGTCAAATG TGTCAGGCTT 120

17

GGCATACATG ATGGAGATTA ATGAAGTATC ATGAGAGTAA TATGGTTCCT GAAAAGCTTC 180
TACAAATTTGG AGTAGGGTCT TAATCACGTG AAAAAGCAAA CTGTTACAT TTAGTGAACC 240
TGCAATTCAT GGAGGGGGGG GGGTACACAN TATTTTAATT TTAAACAAA TAAAAATAAT 300
TTGTTTGTC AAGATTCCCA TCTCCCCAAC TTTATTTGTC GCATTGGTTT TC 352

Name: 196 Len: 355 Check: 9AF
TTATGAAGAA GAAATTATTC ATTTTAAGAA AGAACTTCGA GAACCACAAT TTCGGGATGC 60
TGAGGAAAAG TATAGAGAAA TGATGATTGT TATGAGGACA ACAGAACTTG TGAACAAGGA 120
TCTGGATATT TATTATAAGA CTCTTGACCA AGCAATAATG AAATTCACA GTATGAAAAT 180
GGAAGAAATC AATAAAATTA TACGTGACCT GTGGCGAAGT ACCTATCGTG GACAAGATAT 240
TGAATACATA GAAATACGGT CTGATGCCGA TGAAAATGTA TCAGCTTCTG ATAAAAGGCG 300
GAATTATAAC TACCGAGTGG TGATGCTGAA GGGAGACACA GCCTTGGATA TGCGA 355

Name: 197 Len: 456 Check: A6C
GCACGAGTCT ACATCCAGAG GACCAAGAGC ATGTTCCAGA GGACCACGTA CAAGTATGAG 60
ATGATTAACA AGCAGAAATGA GCAGATGCAT GCGCTGCTGG CCATTGCCCT CACGATGTAC 120
CCCATGCGTA TTGATGAGAG CATTACCTC CAGCTGCGGG AGAAATATGG GGACAAGATG 180
TTGCGCATGC AGAAAGGTGA CCCACAAGTC TATGAAGAAC TTTTCAGTTA CTCCTGCCCC 240
AAGTTCCTGT CGCCTGTAGT GCGCAACTAT GATAATGTGC ACCCCAATA CCACAAAGAG 300
CCCTTCCTGC AGCAGCTGAA GGTGTTTCT AGTGAAGTAC AGCAGCAGGC CCAGCTTTCA 360
ACCATCCGCA GCTTCCTGAA GCTCTACACC ACCATGCCTG TGGCCAAGCT GGCTGGCTTC 420
CTGGACCTCA CAGAGCAGGA GTTCCGGATC CAGCTT 456

Name: 198 Len: 422 Check: 1FAE
GCACGAGATA CTGTGAAATA CCTTTTCTCA CAAAAGGCA AATATTGAAG TTGTTTATCA 60
ACTTCGCTAG AAAAAAAAAA CACTTGGCAT ACAAATATT TAAGTGAAGG AGAAGTCTAA 120
CGCTGAACTG ACAATGAAGG GAAATTGTTT ATGTGTTATG AACATCCAAG TCTTTCTTCT 180
TTTTTAAGTT GTCAAAGAAG CTTCACAAA ATTAGAAAGG ACAACAGTTC TGAGCTGTAA 240
TTTCGCCCTA AACTCTGGAC ACTCTATATG TAGTGCAATT TTAACTTGA AATATATAAT 300
ATTGAGCCAG CTTAAACCCA TACAATGTAT GTACAATACA ATGTACAATT ATGTCTCTTG 360
AGCATCAATC TTGTTACTGC TGATTCTTGT AAATCTTTTT GCTTCTACTT TCATCTTAA 420
CT 422

Name: 199 Len: 446 Check: 1C55
CGATGGAGAC ATCAAACAAG AGCCAGGAAT GTATCGGGAA GGACCCACAT ACCAACGGCG 60
AGGATCACTT CAGCTCTGGC AGTTTTTGGT AGCTCTCTG GATGACCCCT CAAATTCTCA 120
TTTTATTGCC TGGACTGGTC GAGGCATGGA ATTTAACTG ATTGAGCCTG AAGAGGTGGC 180
CCGACGTTGG GGCATTGAGA AAAACAGGCC AGCTATGAAC TATGATAAAC TTAGCCGTTT 240
ACTCCGCTAT TACTATGAGA AAGGAATTAT GCAAAAGGTG GCTGGAGAGA GATATGTCTA 300
CAAGTTTGTG TGTGATCCAG AAGCCCTTTT CTCCATGGCC TTTCCAGATA ATCAGCGTCC 360
ACTGCTGAAG ACAGACATGG AACGTACAT CAACGAGGAG GACACAGTGC CTCTTTCTCA 420
CTTTGATGAG AGCATGGCCT ACATGC 446

Name: 2 Len: 352 Check: FBA
CATGGCATGC AGAGGATCTA CAAATGGGT TCACCAGGCC TGTCTACAAC GCTGGGTGGA 60
TGAAAAGCAA ACAGGAAACA GTACAGCCAG AGTGGCATGT CCTCAGTGCA ATGCTGAATA 120
CCTAATAGTT TTTCCAAAAT TGGGTCCAGT GGTTTACGTC TTGGATCTTG CAGATAGACT 180
GATCTCAAAA GCCTGTCCAT TTGCTGCAGC AGGAATAATG GTCGGCTCTA TCTATTGGAC 240
AGCTGTGACT TATGGAGCAG TGACAGTGAT GCAGGTGTA GGTCAATAAG AAGGTCTGGA 300
TGTTATGGAG AGAGCTGATC CTTTATTCCT TTTAATTGG GACTTCCTAC TA 352

Name: 20 Len: 1558 Check: F16
AGGAGGCCGC GCGGNGCAG GCGGCGACT GCCTGCCTGC CTGGGTGCG GAAGTGATAG 60
CCGCCGACCG AGCCTGCTGC TTTCTTGCTA CTGCTTCGGC TTCCCGCTA CTTCCCCCGG 120
ACGGTGAAGG CCGCCAGCT GTGGATGGTC AGATAGCCCT TGTCTCCGCG CGCCAATCTC 180
TGGCCCTAG CAGCACGGAG CAGACGGCGG CAGCAGCAGC AGCAGGCGAG GAGGAAGATG 240
GCGGGACGGC TGCCGGCCTG TGTGGTGGAC TGTGGCACGG GGTATACAAA ACTAGGATAT 300
GCTGGAAATA CAGAACCACA GTTTATCATC CCTTCCTGTA TTGCTATTAA GGAGTCAGCA 360
AAAGTGGGTG ATCAAGCTCA AAGGAGGTG ATGAAAGGTG TTTGATGACC TAGACTTCTT 420
CCATTGNGTG ATGAAGCAAT AGAAAAACCT ACATATTGCA ACAAAGTTGG CCCAATCCCG 480
CATGGTATAG TNTGAAGATT GGGACTTTAA TGGAAAGGTT TATGGAGCAA GTGATCTTTT 540
AAATATTTTA NGGGCAGAAC CCTGAAGACC ATTATTTTCT TTTGACTGAA COTCCATTGA 600
ATACTCCAGA AAACAGGGAA TATACTGCTG AAATAATGTT TGAGTCCTTC AATGTTCCAG 660
GCTTGATCAT TGCTGTGCAG GCTGTTCTTG CCTTATCTGC ATCTTGGACC TCAAGACAAG 720
TAGGAGANCG GACGTTGACC GGTNCGGTAA TAGACAGTGG AGATGGTGTG ACTCATGTCA 780
TTCTGTGGC TGAAGGGTAT GTGATTGGCA GCTGTATTAA ACACATTCCA ATCGCAGGGA 840
CCGAAGATAT AACAATATTT TAATTCAAG AACCTGCTGA GAGACCCGAG AAGTAGGGAA 900
TCCCTCCAAG AACCAACCCT TGGAAACCTG CTAAGGCGAGT AAAGGAGCGC TATAGTTATG 960
TCTGCCCAGA TTTAGTAANA GAATTTAACA AGTGCTTTTG GAACTAAGAG CTAGTATCTT 1020

18

GGATTAAGCTG	ATGCCTGCTA	GTGCTTTCTG	ATTACTCGCA	TTCTGTTTCT	TGCTTTAAAA	1080
GAAGAGTAAA	GACAAGAGTG	TTGGACCAGT	ATTGCAGTTC	TGTAGTGTCA	TTTCTTATAA	1140
AAAACNAAAC	AACAACAATA	ATTTATCCAA	ATTGGCATAT	TTAAAGCCTA	ACATTCTAAT	1200
AAAGGCACAA	ATTTCTTTTT	AAATACTTGT	TTCAGCCTCT	TTNATCTCTT	TATAAGTTAA	1260
CTAATAAATC	TATTTTCTTC	AGACTTCTGC	AATAGTTCTT	TAAAATCACC	ACAGTTAGCA	1320
AGCTGACTTT	TGTAATGTGC	TCNAANACCA	ANACTTGTGA	ACTTTTAAATA	TGTTGAGTGC	1380
TTTCATTTTG	ATAACTGGAT	CTCCATTGGA	TATTTTCATT	TGNATAACTC	ATTTGCAGTC	1440
TGGAAATTTT	TTTITAGTGCC	AGTCCCTGGA	CATATCATTG	AAAGTTAATT	TTCTTTGCAT	1500
TTTAAATATAT	CTGGATTATG	GAGGAAAAGT	GATGNAAATA	AATTAAGACT	GAATTACC	1558

Name: 200 Len: 581 Check: 256

CGAAAAGAAA	TCAGAAATGG	AAAGTGTTTT	GGCCCAGCTT	GATAACTATG	GACAGCAAGA	60
ACTTGCGGAT	CTTTTTGTGA	ACTATAATGT	AAAATCTCCC	ATTACTGGAA	ATGATCTATC	120
CCCTCCAGTG	TCTTTTAACT	TAATGTTCAA	GACTTTCATT	GGGCCTGGAG	GAAACATGCC	180
TGGGTACTTG	AGACCAGAAA	CTGCACAGGG	GATTTTCTTG	AATTTCAAAC	GACTTTTGGA	240
GTTCAACCAA	GGAAAGTTGC	CTTTTGCTGC	TGCCCAGATT	GGAAATTCTT	TTAGAAATGA	300
GATCTCCCCCT	CGATCTGGAC	TGATCAGAGT	CAGAGAATTC	ACAATGGCAG	AAATTGAGCA	360
CTTTGTAGAT	CCCAGTGAGG	AAAGACCACC	CCAAGTTCCA	GAATGTGGCA	GACCTTCACC	420
TTTATTTGTA	TTTCAAGAAA	GCCCAGGTCA	GCGGACAGTC	CGCTCGGAAA	ATGCGCCTGG	480
GAGATGCTGT	TGAACAGGGT	GTGATTAATA	ACACAGTATT	AGGCTATTTT	ATTGGCCGCA	540
TCTACCTCTA	CCTCACGAAG	GTGGAATATC	TTGGAATAAA	C		581

Name: 201 Len: 625 Check: 22A8

GTCTTGCCCC	AGAGCCTGGA	CGGGGCTGAA	GGACACGGGG	GACAGGGCTC	CTGGCTTCTT	60
CCGCCCCGTC	CTGGCCCAGA	GCCTGGAGCA	TGATGAGCAC	TCTTGTCCTT	TTAAAAAATC	120
AAAGCCGCAC	CCCGCCTCCC	TGGCCAGCAA	GAAACCTAAA	AGGGAAACAA	ACTCTGACAG	180
CGTCCCACCT	GGCTACGAGC	CCATCTCGCT	GCTCGAGGCG	CTCAACGGCC	TCCGGGCTGT	240
CTCCCCGGCC	ATCCCCCTCG	CCCCCTCTTA	TGAAGAAATC	ACCTATTCAG	GCATCTCGGA	300
CGGCCTGTCC	CAGGCCAGNT	GTCCCCCTCG	GGCTATCGAC	CACATCCTGG	ACAGCAGCCG	360
CCAGAAGGCC	AGGGCCGAGA	GCAAGGCCCC	CGACAGCACC	CTACGGTCCC	CGTCTTCCCC	420
CATCCACGAA	GAGGATGAGG	AGAAGCTCTC	CGAGGACGTG	GACGCCCCCT	CCCCACTGGG	480
TGGCGCAGAG	CTGGCCCTGC	GGGAAAGCAG	CTCCCCCTGAG	AGTTTCATAA	CAGAAGAGGT	540
TGATGAGTCG	TCTGTACCCA	CAAGCAAGGG	GACCCGAGCA	GCTTCCATTG	AGAATGTCTT	600
GCANGACAAG	CAAGNCCCGA	GCACT				625

Name: 202 Len: 806 Check: 1E28

TCTAGTTTTT	GGAATGGAGC	CTCGCATCCT	ATACAACCCT	TTACAAGGCC	AGAAATGTAT	60
TGTTCAAACA	ACTTCATGGT	CCCAGTGCTC	AAAGACCTGT	GGAAGTGGTA	TCTCCACACG	120
AGTTACCAAT	GACAACCCTG	AGTGCCGCTC	TGTGAAAGAA	ACCCGGATTT	GTGAGGTGCG	180
GCCTTGTTGA	CAGCCAGTGT	ACAGCAGCCT	GAAAAAGGGC	AAGAAATGCA	GCAAGACCAA	240
GAAATCCCCC	GAACCAAGTC	GGTTTACTTA	CGCTGGATGT	TTGAGTGTGA	AGAAATACCG	300
GCCCAAGTAC	TGCGGTTTCT	GCGTGACGG	CCGATGCTGC	ACGCCCCAGC	TGACCAGGAC	360
TGTGAAGATG	CGGTTCCGCT	GCGAAGATGG	GGAGACATTT	TCCAAGAACG	TCATGATGAT	420
CCAGTCTGTC	AAATGCAACT	ACAAGTCCCT	GCATGCCAAT	GAAGCAGCGT	TTCCCTTCTA	480
CAGGCTGTTT	AATGACATTC	ACAAATTTAG	GGACTAAATG	CTACCTGGGT	TTCCAGGGCA	540
CACCTAGACA	AACAAGGGAG	AAGATGTCAG	AATCAGAATC	ATGGAGAAAA	TGGGCGGGGG	600
TGTTGTGGGT	GATGGGACTC	ANTGTAGAAA	GGAAGCCTTG	CTCANTCCTG	AGGANCANTA	660
AGGTATTTTC	AAACTGCCAA	GGGTGCTGGT	GCGGATGGAC	ACTAANGCAG	CCACGATTGG	720
AGAATACTTT	GCNTCATAGT	ANTGGAGCAC	AGTTACNGCT	CAATTTGGAG	CNTGTGGAAT	780
TGAGACTTCC	NGNTTCCGGT	TGAAAT				806

Name: 203 Len: 489 Check: 610

GCACGAGCGG	CACGAGTTTC	ATTTTTCCAA	AAGAGAAAAA	AATGACAAAA	GGTGAAACTT	60
ACATACAAAT	ATTACCTCAT	TTGTTGTGTG	ACTGAGTAAA	GAATTTTGG	ATCAAGCGGA	120
AAGAGTTTAA	GTGTCTAACA	AACTTAAAGC	TACTGTAGTA	CCTAAAAAGT	CAGTGTGTGA	180
CATAGCATAA	AAACTCTGCA	GAGAAGTATT	CCCAATAAGG	AAATAGCATT	GAAATGTTAA	240
ATACAATTTT	TGAAAGTTAT	GTTTTTTTTT	TATCATCTGG	TATACCATTG	CTTTATTTTT	300
ATAAATTTAT	TTCTCATTGC	CATTGGAATA	GATATCTCAG	ATTGTGTAGA	TATGCTATTT	360
AAATAATTTT	TCAGGAAATA	CTGCTGTAG	AGTTAGTATT	TCTATTTTTT	TATAATGTTT	420
GCACACTGAA	TTGAAGAATT	GTTGGTTTTT	TCTTTTTTTT	GTTTNGNNTT	TTTTTTTTTT	480
TTTTTTTTTG						489

Name: 204 Len: 403 Check: 20BF

CAAGCTCAGA	AGGGTCATCT	CAGAGTTCAC	TCTCTCCTGT	ACTCATTGGT	GGAAACCATT	60
TGATCACTGC	AGGTGTGCCA	AGGCGAAGTA	AAAGAATTGC	AGGCAAAAAA	GTTTGAGAG	120
TGGAATCAGG	AAAAGCAGGC	TGCTTTTCTC	CTAAAATCAA	GCCATAAAGA	AAAGGTTCCG	180
AAGATCTCTG	CCGTTTGAAG	TTCAATCTAG	GGAAAAATGG	CAGAGAAGTA	AATGGGATGT	240
TCTGGTGTCA	ATAGGATATT	GAAAGTGTTG	GTTGGGCGAC	TTGCAAAATCA	ACAAAGTTTA	300

AAAAATCCGA ATTNGAATCT GTAAAAACAG GTTTGCTTTT TAAGCCCAGN ATGTTGGATT 360
GGAAAAANGT TACCANAAGA AAGGGGTTCA AGAAAAAGGA TCA 403

Name: 205 Len: 462 Check: 1820
TTTACAGGTA CACAATTAA TATTTATTAT ATGCATTTTA TATACATTAT TTTTCAACAG 60
CTGTATGTTT GCTATGTGGT ACAATCTTAA AAATTTGCTG ATTCATAGTT TGTAACAA 120
AAACCTTACA AAACCTCATCA AAACCTCGAA ACTGATCAGA AAAGTTTCTC GGAAGACTAG 180
AAAAAATACT TTATTGTCTT AATCATGCAT TACACAAACA AAATCTTTAG TTACACCATA 240
AAATTAAGCA CATCTAAAAA AATAAAACAG GGATAACTAG TCAAAACACA GCAGATTTCT 300
GTATCCTGAT TCAACTATTT TTGTATCCTA TTTGTAATGC AAATAAAACT TTACTCCAAA 360
TATTTTTTAA CAAGTTAGTT TTGTTTGGAA TCATGGTAA CCAAGATATA TATCTTAGGG 420
GGAACCACCT TGGTTTGTAA TTTAAACTAT AAAATACTCC AT 462

Name: 206 Len: 724 Check: 21C0
GTCAGGGGCT GTAGCAAGTA CATTAGCTTC AAGTTCCTTA ACTTGGACAT TCAAATATTC 60
TTCTTGCTCT ATTAACGCT GATGCTTGC AGTAAATTTT TCTAGTGTGT TCCTCATTTT 120
TCGTTCACTA TGCCGTAAC TAACTACTCT TTCTTCAAGT TGTACTTTCT GTTCTTGGAT 180
TTGCATTGCT TTTTGTAGT CGTTTGTCAA CTGTGATTCC ATTTTGTTTA CCTCTTCTTC 240
AGAGATTTCA ATAACAAGTG AGGAACCCAT TCTTCCCTTC ATTACTTTGC TTCCACCACC 300
AGTCATTGTA CCTGACTGTT CTATGATTG TCCCTGTAAA GTTACCACTC TCCATCTTCT 360
ATCTTTTTGA TATGCTACTC TTGTGGCTTG ATCCAAGTTG TCAGCTACTA AGGTATCTCG 420
TAAAGCAAAA TAAAAAGCTT GGCGAATTTT CTCATCTTTT ACTTTTACTA AATCAAATAA 480
ACGAGGAGTA TTTTCAGGAG TTTGAATTC GGTCATCTTT TTCGCCCATA CAGCCATCTT 540
ATCTAAACCT ATAAAAGTTG CAACTCCAAT ATTTTGTCT TTTAAGGAAG TTACACATTT 600
CTTGGGCTAT ATCAAATAGA TCAACCAACA ATGTAGTCCA GTGCATGACA ACAGGATGAT 660
ATAACCACCT CGGATTTTTT ATTAATGGGT TCTAAGGCC CAATCGTCCA TATATTTCTG 720
GAAC 724

Name: 207 Len: 371 Check: 1633
CCTCGTGCAA GTTANAGGTT CGCNGGTNTG CAGACCTCAC AGAAGATCAG CTACCCTCCT 60
GTGAGAGTCT GAAGGATACT ATTGCCAGAG CTCTGCCCTT CTGGAATGAA GAAATAGTTC 120
CCCAGATCAA GGAGGGGAAA CGTGTACTGA TTGCAGCCCA TGGCAACAGC CTCCGGGGCA 180
TTGTCAAGCA TCTGGAGGGT CTCTCTGAAG AGGCTATCAT GGAGCTGAAC CTGCCGACTG 240
GTATTTCCAT TGTCTATGAA TTGGACAAGA ACTTGAAGCC TATCAAGCCC ATGCAGTTTC 300
TGGGGGATGA AGAGACGGTG CGCAAAGCCA TGGAGCTGT GGCTGCCCAG GGCAAGGCCA 360
AGAAGTGAAG G 371

Name: 208 Len: 359 Check: 57A
CGGCCATCAC CTCATTCTTG TCAAGGAGAA CCTCGTTGAC AAAATCTGGA CAGACCGTCC 60
TGAGCGCCCT TGCAAGCCTC TCCTCACACT GGGCCTGGAT TACACAGGCA TCTCCTGGAA 120
GGACAAGGTT GCAGACCTTC GGTTGAAAAT GGCTGAGAGG AACGTCATGT GGTTTGTGGT 180
CACTGCCTTG GATGAGATTG CGTGGCTATT TAATCTCCGA GGATCAGATG TGGAGCACAA 240
TCCAGTATTT TNNTCCTACG CAATCATAGG ACTTAGAGAC GGTATGCTC TTCATTGATG 300
GTGACCGCAT AGACGGCCCC AGTGTGTAAG GAGCACCTGN TTTCTTTAAC TTGGGCTTG 359

Name: 209 Len: 353 Check: 22DB
TGGCAGGAGG CCGTGTCCAA GATGTTTTCA GTTCAACACA CAGTCTCCTC CATTATTTTG 60
ATCGTCTGAT TCTTACCGGA GCCGAAAGCA AAGTAATGG GGAAGAGGGC TATGGCCGGA 120
GCTTGAGATA CGCCGCTCTG AATCTTGCCG CCCTGCACTG CCGCTTCGGT CACTATCAAC 180
AGGCAGAGCT CGCCCTGCAG GAGGCAATTA GGATTGCCCA GGAGTCCAAC GATCACGTGT 240
GTCTCCAGCA CTGTTTGAGC TGGCTTTATG TGCTGGGGCA GAAGAGATCC GATAGCTATG 300
TTCTGCTGGA GCATTCTGTG AAGANGGCAG TACATTTTGG GGTTACCGTA CCT 353

Name: 21 Len: 561 Check: 14E5
AGCCAGGTTT CCGAGGTGCT GAGAAGNCAN GAACTCCGC AGACTACTCC TCAGAGAGCA 60
AAAAGCAGAA AACTGAAGAA AAGGAAATTG CAGCTCGTTA TGACAGCGAT GGTGAGAAAA 120
GTGATGACAA CTTGGTGGTT GACGTTTCCA ATGAGGATCC ATCTTCCCCC CGAGGGAGCC 180
CAGCACATTC CCCCAGAGAG AATGGCCTAG ACAAGACACG CCTGCTCAAG AAAGATGCCC 240
CGATTAGTCC AGCCTCTATT GCATCTTCCA GCAGTACTCC CTCCTCCAAA TCCAAAGAAC 300
TTAGCCTTAA TGAAAAATCT ACTACTCCCG TCTCAAAGTC CAATACCCCC TACTCCACGA 360
ACTGATGCNG CCACCCCCAG GCAGTAACTC TANTCCCGGG ATTTGAGGGC TTGTANCTGG 420
GAAAACCACC AGGAGTTGGA CCTTTTGGGC TCAAGCCTAA GGACCCCAAT GGGAGTACC 480
TTGTGCCATA TNCAANTCCA TTTGGGGATT GTGCCCATGC TGAATGAAC GGGGAGCTGA 540
NCAGCCCGGG NGCGGGCTAC G 561

Name: 210 Len: 651 Check: EC9
TTTTTTTGAC TGTCTTCACA TTAATGGAGA TTGGTGATTT CTCTTCAGCT TTTACTTCTC 60
TTGGTGATGA TGGCTTGGAG GCTGGAGAAA ATCCACCCAG GGTGAAAGG GCTGGAGTTC 120
CATCCGATT CAATCCCTTT GCTTTTAATT TGGCTTCTTG TAAGGCTACT TTTCTTTTTT 180
CTACTTCTTT TTCCAGTAAT TCATAGTTTG GCTTTTTTCT GGTATAAAGC CTAAGTGTTC 240

20

CTATGCAGAT	TTCCTGGATT	TCCTCTTCTG	TAGTACCAAA	AAGAAGAAAC	CAATGGGGAC	300
GAGTTGGCAA	CGGAATCTGA	AGTGCTCTAG	CTGCAAGGTA	GATGCAAGCA	CATGCTATAG	360
TCTCTGGTTG	AAATCGAACA	AACACATTGG	TTCGAAGACT	GTCATTTCATG	TAATTCCAGG	420
CAGTTTGAAC	CAGGGTTTGA	TTACGTTTAC	ATTCTAAGAC	TTGTAAATAC	ATAACAATGA	480
TCTTATGAGG	ATGCTTGACA	TGAACACAAA	ATCCCAACTC	CTTTAGCACC	CTCCTCTCTG	540
CTTTGATAAC	TTGATTTTTG	GTGTTAATGT	AGTTCTGATC	AAGGATCACG	GGGCTTGGAG	600
TCITTTTTCT	TTTAACTGGC	GGAGGTGGTG	GAATACATTA	ATCACATCTC	T	651

Name: 211 Len: 789 Check: F55

CAAGAGCACT	ACATGANGGG	CTCTGACGGC	GCCCCGGACA	CTGGGTACCT	GTGGCATGTT	60
CCATTGACAT	CCATCACCAG	CAAATCCAAC	ATGNNCCATC	GATTTTTGCT	AAAAACAAAA	120
ACAGATGTGC	TCATCCTCCC	AGAAGAGGTG	GAATGGATCA	AATTTAATGT	GGGCATGAAT	180
GGCTATTACA	TTGTGCATTA	CGAGGATGAT	GGATGGGACT	CTTTGACTGG	CCTTTTANAA	240
GGAACACACA	CAGCAGCCAG	CAGTAATGAT	CGGGCAAGTC	TCATTAACAA	TGCATTTTCAG	300
CTCGTCAGCA	TTGGGAAGCT	GTCCATTGAA	RAGGCCTTGG	ATTTATCCCT	GTACTTGAAA	360
CATGAAACTG	AAATTATGCC	CGTGTTTCAA	GGTTTGAATG	AGCTGATTCC	TATGTATAAG	420
TTAATGGAGA	AAAGAGATAT	GAATGAAGTG	GAAACTCAAT	TCAAGGCCCT	CCTCATCAGG	480
CTGCTAAGGG	ACCTCATTGA	TAAGCAGACA	TGGACAGACG	AGGGCTCAGT	CTCAGAGCAA	540
ATGCTGCGGA	GTGAACTACT	ACTCCTCGCC	TGTGTGCACA	ACTATCAGCC	GTGCGTACAG	600
AGGGCAGAAG	GCTATTTTCA	AAAGTGGGAG	GAATCCAATG	GAAACTTGAG	CCTGCCTGTC	660
GACGTGACCT	TGGCAGTGT	TGCTGTGGGG	GCCCAGAGCA	CAGAAGGCTG	GGATTTTCTT	720
TATAGTAAAT	ATCAGTTTTT	TTTGTCCAGT	ACTGAGAAAA	GCCAAANTGA	ATTTNCCCTC	780
TTCAGAACA						789

Name: 212 Len: 457 Check: D31

CAATTAAGGG	CTTTGGCGGG	ATTGGCTCCG	CGTTTGGGCT	GGTCCGCTGC	TCCCCACCTA	60
CCAGGGTCCG	ATCCGGAGCC	CTTCCCCGCG	GGGCGGGGAC	CTCCAAACAA	CCGACTCCTT	120
TCCAGCTGAA	GAAACACTTA	AATTCTGGAA	ATAGCGACTC	AGTATCATGG	CCAGCAGCCT	180
TAATGAAGAT	CCAGAAGGAA	GCAGAATCAC	TTATGTGAAA	GGAGACCTTT	TTGCATGCCC	240
GAAACACAGC	TCTTTAGCCC	ACTGTATCAG	TGAGGATTGT	CGCATGGGCG	CTGGGATAGC	300
TGTCCTCTTT	AAGAAGAAAT	TTGGAGGGGT	GCAAGAACCT	TTAAATCAAC	AAAAGAAATC	360
TGGAGAAGTG	GCTGTTCTGA	AGAGAGATGG	GCGATATATA	TATTACTTGA	TTACAAAGAA	420
AAGGGCTTCG	CACAAGCCAA	CTTATGAAA	CTTACAG			457

Name: 213 Len: 727 Check: 30C

TTTTTTTGCT	GGTAATATAT	TGCTGCACTG	AGTGTGTGCA	ATTTTTATTTC	AAGGTCATCG	60
TGATGCTGAG	AAGTTTCGTT	GATAACCTGT	CCATCTCTAG	TTTCAACCGT	CTTAATCAGA	120
AGTGTCCCTT	TTGAGTGGGT	ATCAACCAGA	GGGAGTGAAT	CCAGATTAGT	TTCCCTCAGG	180
TTCAGGGAGG	AAAAGTTTGG	AAGAGGCAGA	GAAATCCTGC	TCTCCTCGCC	TTCCAGCAGC	240
TTCTGTAGG	TGGCAATCTC	AATGTCAAGG	GCCATCTTAA	CATTGAGCAG	GTCTTGGTAT	300
TCACGAAGGT	GACGAGCCAT	TTCCCTCCTC	ATATTCTGAA	TCTCATCCTG	CAGGCGGCCA	360
ATAGTGTCTT	GGTAGTTAGC	AGCTTCAACG	GCAAAGTTCT	CTTCCATTTC	ACGCATCTGG	420
CGTTCCAGGG	ACTCATTGGT	TCCTTTAAGG	GCATCCACTT	CACAGGTGAG	GGACTGCACC	480
TGCTCTCCGGT	ACTCAGTGGA	CTCCTGCTTT	GCCTGGCGCA	GGGCGTCATT	GTTCCGGTTG	540
GCAGCCTCAG	AGAGGTCAGC	AAACTTGGAT	TTGTACCATT	CTTCTGCCTC	CTGCAAGTTC	600
TTGGCAGCCA	CACTTTCATT	TTGCTGACGT	ACGTCACGCA	GGGCAGCGCT	GAGGTCAAGC	660
TTGGAAACAT	CCACATCGAT	TTGGACATGC	TGTTCCCTGGA	TCTGAGCCTT	GCGCTTCTGG	720
ATTTCCCT						727

Name: 214 Len: 622 Check: 19DE

GCTCCTGTCA	GTACACACTC	CCAAACAGTT	AAACCCAGCT	CTAATTCCAA	CTCTGCAAGA	60
GCTTTTAAGC	AAATGCAGGA	CTTGTCTGCA	ACAGAGAAAC	TCACTCCAAG	AGCAAGAAGC	120
CAAAGAAAGA	AAAACATAAG	ATGATGAAGG	AGCAACTCCC	ATTAAAAGGC	GGCGTGTTAG	180
CAGTGATGAG	GAGCACACTG	TAGACAGCTG	CATCAGTGAC	ATGAAAACAG	AAACCAGGGA	240
GGTCCTGACC	CCAACGAGCA	CTTCTGACAA	TGAGACCAGA	GACTCCTCAA	TTATTGATCC	300
AGGAACTGAG	CAAGATCTTC	CTTCCCCTGA	AAATAGTTCT	GTTAAAGAAT	ACCGAATGGA	360
AGTTCCATCT	TCGTTTTTCA	AAGACATGTC	AAATATCAGG	TCACAGCATG	CAGAAGAACA	420
GTCCAACAAT	GGTAGATATG	ACGATTGTAA	AGAATTTAAA	GACCTCCACT	GTTCCAAGGA	480
TTCTACCCCTA	GCTGAGGAAG	AATCTGAGTT	CCCTTCTACT	TCTATCTCTG	CAGTTCTGTC	540
TGACTTAGCT	GACTTGAGAA	GCTGTGATGG	CCAAGCTTTG	CCCTTCCAGG	ACCCTGAGGT	600
TGCTTTATCT	CTCAGTTGTG	GC				622

Name: 215 Len: 448 Check: EDC

ATAGTTAAAC	AACTTTATTA	ACATAGTCAA	GCAGTGATTA	ACATTCACAT	CTATTATGTC	60
ACATCATACA	AATGTAAATA	CAAAATTACT	ACAGTACAAT	ATATATTCTC	TGCATGATCC	120
AAAATATTTG	GTGGCCCCAA	AAAACCTCTC	TTAAATTTCA	GCAGCTTATC	AAAAATTAAA	180
ACCGTATTCT	ATTTAAATATG	GAGATCTGTT	AGCACAGAGT	TAGACTTCAA	GAAATATCAA	240
TTTAGTACAG	TTTGAGAAGT	TGCAGGAGGA	TATGTTTGAA	GGACACATTC	TAACATAGTG	300

2.1

TGGCAGGTAC AGGAAACATC AGATTTAAAG CTTTAAAGCA TAACTCATAC AACCTAAGTT 360
 GTCAGCAGAA AGATCCAGTT ATATTTGTAA CTAAAGCTAA TGCTACTAAA TTATTGCACC 420
 CAATGTAAAC ATATTAAGTG TAAAACTG 448
 Name: 216 Len: 595 Check: D48
 TCTGTTCTAA TGTATCATTA AGCTCCTTAA AATACTGGAG AACAGCTTCC TTATCGCCTT 60
 GGATCATTTT CTCAGAATGA GATTTTGTGTT CTTTCAGCTT TTCAATAAGA TGGGTAAGAT 120
 CTGTCCAGTG TGTGTCAGTC AACTGTTCAA GCAGTTTTTG AGGAGTGTCC TTTTCTTTCA 180
 AATAGGCACT TTGAAGGTCA TCTATAGGAT GACCATGATG TTGACCTATG GTAAGGCAAT 240
 GACCACAAAC TAATTTTTTA TCTAATAGAC AGTAAACATT TAATGGTTGC CTGTAATGTT 300
 CAGGGCAGGT GACAATATCT GGATGGTCTT CTTCGTGGTA CTTTTCAATA ATAGCCCTTA 360
 GTGCAAAATT AACAGGTAAA GATTCAATGC CAGTTGGAGC AATTTTCAGTA ATACTTCTGC 420
 AATTAGGGCA CTTGAGTGGG ATTTCGTAAAG GTCTCCATAT ATAAAAGTTA CCAGATGCCT 480
 GAAGAATGTT TTCCAAACAA TTTCTACAAA ATGTATGAGA GCATGGCAGT ACACGAGGAT 540
 CTTCAAAAAT ACTATAACAT ATGGGACAAG TTAACCTCTG CTCANAATTG TGCAT 595
 Name: 217 Len: 153 Check: 330
 AAGTGGGTGG GCTTGCCAAG CTCGACACCA GTGCGACTGA GGCCAGGGCC CTCGGCCTTC 60
 ACCTTACTGG CGTCATGAGA GGGCTCCACC TTGACTCGGA TGGGGCTGGT GGGCGTGGCC 120
 TGGTCAGCAA AGAGGACCAT AATGGTGTAG CTG 153
 Name: 218 Len: 446 Check: 9BD
 TAGATGGCTA CTTCCGGCTC ACAGCAGATG CCCATCATTA CCTCTGCACC GACGTGGCCC 60
 CCCCCTTGAT CGTCCACAAC ATACAGAATG GCTGTCTATG TCCAATCTGT ACAGAATACG 120
 CCATCAATAA ATTGCGGCAA GAAGGAAGCG AGGAGGGGAT GTACGTGCTG AGGTGGAGCT 180
 GCACCGACTT TGACAACATC CTCATGACCG TCACCTGCTT TGAGAAGTCT GAGCAGGTGC 240
 AGGGTGCCCA GAAGCAGTTC AAGAACTTTC AGATCGAGGT GCAGAAGGGC CGCTACAGTC 300
 TGCACGGTTC GGACCGCAGC TTCCCCAGCT TGGGAGACCT CATGAGCCAC CTCAAGAAGC 360
 AGATCCTGCG CACGGATAAC ATCAGCTTCA TGCTAAAACG CTGCTGCCAG CCCAAGCCCC 420
 GAGAAATCTC CAACCTGCTG GTGGCT 446
 Name: 219 Len: 581 Check: A7F
 ACGGATAGCG GATCTGCGAC AGGGGCTGCT GGACATCAGC AACCATTTCA TCCCTCTGCT 60
 TGGGCACTTT GGCTGGTAGA CTATTTTCCA TCCGAGTCTC CTCTTCAGCT TTTTCCGTTT 120
 GCTCAGTTTT TGGTTCATCT TTCTCTCAA ACTGTGATGC TTCTGAGAC TGATGGTCTG 180
 AAGGAGTACC TGGTCTAGCA GATGATGATG AGGCTGTTGG AGTTTCCTCA CTAGCTTCAA 240
 CTCCTACTCT ATCTGTTTTT TCTCTTCTT TCTTATTTGT CTATCGGGT TCTTTGGCCT 300
 CTTCAATTATG GCTACCTTCA GAGTCAGAGC ACTCCTCCCC TTCGTCCACA GGCCGGAAGT 360
 CCATCTCCTG CTCTTCTGGA ATAGGCTCTT TCTGTACTTT TTTTAGAGAA AGGAATGCTC 420
 CAGATGAGTC AAATGTACCC ATTTCTTCTT CAGCATCCTC TAAGCACCAT TCGGGCAAGC 480
 TATCCCTGTC ATCATCTATG CTTCCACTGC CAGAGCGAAC CCGATAAGAC AAATAAGAAA 540
 GAAGGAGAGA AAACAGATCC GCTAGCAGAT CCGCTATCCG T 581
 Name: 22 Len: 450 Check: C1B
 CCAGAGTTTT ACATTACACT TGTCTGTCTT ATAATTGATA TTTTAGGATG TTTGGGTGTT 60
 TGTTACAGGC AGAATTGGAT AGATACAGCC CTACAAATGT ATATGCCCTC CCCTGAAAAA 120
 AATTGGATGA AAATCTGCAC AGCAAAGTGA AACACACAGA TAATAGGAAC AAAATGTAGT 180
 TCCCATGTGC CAAACAAAAT AAATGAAATC TCTGCATGTT TGCACCATAT CTGCCTTTTG 240
 GGAATGTAAT CAAGGTATAA TCTTTGGCTA GTGTTATGTG CCTGTATTTT TTTAAATGG 300
 TACACCAGAA AAGGACTGGC AGTCTACTTC TACCATAGTT AAACCTCACC CTCTTTAATT 360
 TCACAACATA TTCTTTGGAA GCAGGAAGAA ATGCTCATAA AGAGGATCAG ACCTTCTTTT 420
 CCGTGAAACC AGTATTTGGC GCCATATATA 450
 Name: 220 Len: 372 Check: B74
 TTTGAACATA ATAGCACGAT GTTGGAAATCC GACTTGGGGA CCATGGTGAT AAACAGTGAG 60
 GATGAGGAAG AAGAAGATGG AACTATGAAA AGAAATGCAA CCTCACCACA AGTACAAAGA 120
 CCATCTTTCA TGGACTACTT TGATAAGCAA GACTTCAAGA ATAAGAGTCA CGAAAACCTGT 180
 AATCAGAACA TGATGAACC CTTCCCTATG TCCAAAACG TTTTTCCTGG ATTAACCTGGG 240
 AAAGTTCCTC CAAGATGGGA GACTTTTTGA CTTTTTTTGG AAAAATCTTA AGTTTTAGGN 300
 AGGAACCTAC CAGGTTGCGG GTTTAAAAAG GCACTTGGGA CCCCCATGGT TGGGGAACGG 360
 GNGGTTAGG GA 372
 Name: 221 Len: 448 Check: 77C
 TTTTTTTTTT TTTTATGATG CACTCCAAGT GCCATATGTC TATTTTATTC TTCAGGAAAT 60
 TATATTTTTT TTTTACAAGA GCACAACAGG AACCAGTA AAAGAGTAAT AGATACAGCA 120
 CTCAGGATAA ATCATATCTT TAAAATAATA ATAAAAAAT TTACACCTTG TCCTATATCC 180
 TGTTAGTATT TTCATAATAT GGCCATGATT GAAAAACAA AAAGCAAGCA TCTACAATTT 240
 TTTTGTATAA AGACTTTTTA TGCCAGGAAT GGATTAATTA CCAACAAAAT TTATACTAAT 300
 CAGGCTGATG TCAATCTATT TTTGTAATGT ATCATTAACA AATTTATTTT GGAAAAGATA 360
 AAAATATTGC CCCTTGATAA TAAATCTTTT TTTCTTTTGA TGCAACAGC TAGAACACCT 420

22

TTTTCTTTTT CTTTTTGATA TTCTAAGA 448
Name: 222 Len: 373 Check: A98
GTTGCACATG CCGTCGGCCA TGACTGTGTA TGCTCTGGTG GTGGTGTCTT ACTTCCTCAT 60
CACCGGAGGA ATAATTTATG ATGTTATTGT TGAACCTCCA AGTGTGCGTT CTATGACTGA 120
TGAACATGGG CATCAGAGGC CAGTAGCTTT CTTGGCCTAC AGAGTAAATG GACAATATAT 180
TATGGAAGGA CTTGCATCCA GCTTCCTATT TACAATGGGA GGATTAGGTT TCATAATCCT 240
GGACCGATCG AATGCACCAA ATATCCCAAA ACTCAATAGA TTCCTTCTTC TGTCATTGG 300
ATTCTCTGT GTCCTATTGA GTTTTTTGAT GGCTAGAGTA TTCATGAGAA TGAAACTGCC 360
GGGCTATCTG ATG 373
Name: 223 Len: 386 Check: 824
GGCAGGAGGC TTCAAGCTAC TCGGAAAATG CATCCTGCAG ATGACCCGGC CTGTGGTGGA 60
GGGGTCCCTG GGCAGCCCTC CATTGAGAA ACCTAATATT GAGCAGGGTG TGCTGAACTT 120
TGTGCAGTAC AAGTTTAGTC ACCTGGCTCC CCGGGAGCGG CAGACGATGT TCGAGCTCTC 180
AAAGATGTTT TTGCTCTGCC TTAAGTACTG GAAGCTTGAG ACACCTGCCC AGTTTCGGCA 240
GAGGTCTCAG GCTGAGGACG TGGCTACCTA CAAGGTCAAT TACACCAGAT GGCTCTGTTA 300
CTGCCACGTG CCCCAGAGCT GTGATAGCCT CCCCCGCTAC GAAACCACTC ATGTCTTTGG 360
GCGAAGCCTT CTCGGGTCCA TTTTCA 386
Name: 224 Len: 593 Check: 106B
GGCAGGAGGA TTGCACACCT AAACCTTCGA GATCATCAGC TGCCTTTCAA ACATTTAATT 60
GGCCAGGTTA TGATTGACAA AAATCCAGGA ATCACCTCAG CAGTAAATAA AATAAATAAT 120
ATTGACAATA TGTACCGAAA TTTCCAAATG GAAGTGCTAT CTGGAGAGCA GAACATGATG 180
ACAAAGGTTT GAGAAAACAA CTACACCTAT GAATTTGATT TTTCAAAAGT CTATTGGAAT 240
CCTCGTCTGT CTACAGAACA CAGCCGTATC ACAGAACTTC TCAAACCTGG GGATGTCCTA 300
TTTGATGTTT TTGCTGGGGT TGGGCCCTTT GCCATTCCAG TAGCAAAGAA AACTGCACT 360
GTATTTGCCA ATGATCTCAA TCCTGAATCT CATAAATGGC TGTTGTACAA CTGTAAATTA 420
AATAAAGTGG ACCAAAAGGT GAAAGTCTTC AACTTGGATG GGAAAGACTT CCTCCAAGGA 480
CCAGTCAAAG AAGAGTTAAT GCAGCTGCTG GGTCTGTCAA AAGAAAGAAA ACCCTCTGTG 540
CACGTTGTCA TGAACCTGCC AGCAAAAGCT ATAGAGTTTC TTAGTGCTTT CAA 593
Name: 225 Len: 477 Check: 26B9
GTAAGTTCAG CGCGCCCGCT CCGCCCGGCC CTGCGCCTCC CGCCCGCGCC GGGATGTATT 60
CGTCCCGCT CTGCCTCACC CAGGATGAGT TCCACCCGTT CATCGAGGCC CTGCTGCCTC 120
ACGTCCGCGC CTTGCGCTAC ACCTGGTTCA ACCTGCAGGC GCGGAAGCGC AAGTACTTCA 180
AGAAGCACGA GAAGCGGATG TCGAAGGACG AGGAGCGTGC GGTCAAGGAC GAGCTGCTGG 240
GCGAGAAGCC CGAGGTCAAG CAGAAGTGGG CGTCGCGGCT GCTGGCCAAG CTGCGCAAGG 300
ACATCCGGCC CGAGTGCCGC GAGGACTTCG TGCTGAGCAT CACCGGCAAG AAGGCGCCGG 360
GCTGCGTGCT CTCCAACCCC GACCAGAAGG GCAAGATGCG GCGCATCGAC TGCTCCGGC 420
AGGCGGACAA GGTGTGGCGG CTGGACCTGG TCATGGTCAT CCTGTTCAAG GGCATCC 477
Name: 226 Len: 299 Check: DE7
GCCAAAGCTC AATACCCCAT TGCTGATTG GTAAAGATGC TCACTGAGCA AGGCAAAAAA 60
GTCAGGTTTG GAATTCACCC AGTTGCAGGC CGAATGCCTG GNCAGCTTAA TGTGCTGCTG 120
GCTGAGGCTG GTGTGCCATA TGACATTGTG TTGGAAATGG ATGAGATCAA CCATGATTTT 180
CCAGATACTG ATTTGGTCCT TGTAATTGGA GCTAATGACA CTGTTAATTC AGCAGCTCAA 240
GAAGATCCCA ACTCTATTAT TGCAGGCATG CCAGTCCTTG AGGTCTGGAA ATCAAAGCA 299
Name: 227 Len: 390 Check: 2565
GAGTGAAGGA GTTGAACTT TTCTTGTTAG TGTACAACTC ATTTTGCGCC AATTTTCACA 60
AGTGTTTGT TTTGTCTGAA TGAGAAGTGA GAAGGTTTTT ATACTCTGGG ATGCAACCGA 120
CATGTTCAAA TGTTTGAAAT CCCACAATG TAGACCAATC TTAAGTTTCG TAAGTTATTT 180
CCTTTAAGAT ATATATTAAA CAGAAATCTA AGTAGAAGT CATTGACTAA CCAGTCCCTC 240
TGGATGGTGG TGAACCTGAA GCATGCTTTA ACCTCTAAGA CTGTCTAACA CGCGTTTCAT 300
TCAATGTCTC CACAGACTGG GTAGCAAAAA AATCACCTTT TAGTTTTAGT TTTTAATCTA 360
AAGATGTTAG ACAGATGCTG AGTGTGCGTT 390
Name: 228 Len: 423 Check: 1661
TTCTCTGTG GGGTGTGGCC AAGTGGGGAT AAAGAGAAGA GCAACATCTC TAATGACCAG 60
CTCCATGCTC TGCTCTGTAT CTAAGTGGAG CACACAGAGA GCATTCTGAA GGCCATAGAG 120
GAGATTGCTG GTGTTGGTGT CCCAGAAGT ATCAACTCTC CTAAAGATGC ATCTTCCTCC 180
ACATTCCTTA CACTGACCAG GCATACTTTT GTTGTTTTCT TCCGTGTGAT GATGGCTGAA 240
CTAGAGAAGA CGGTGAAAAA ATTGAGCCTG GCACAGCAGC AGACTCGCAG CAGATTTTCA 300
GAAGAGAAAC TCCTCTACTG GGAACATGGG CTGTTTCGAGA CTTCAAGTATC CTCATTCAAC 360
TTGGATTAAA GGTATTTTGA TAGTTCATCC TGTTNCTGGC ATGTATGTTT GGAAGGGAAG 420
GAT 423
Name: 229 Len: 417 Check: 1300
TAGAAAAGAA AAGAAAACCT GAAACTAATC CTGATATTAA GCCATCAAAT GTGGAACCTA 60
TGAAAAGGA GTTTGGGCTT TGCAAACTG AGAACAAGC CAAGTCGGGC AAACAGAATT 120

23

CAAGAAGCT GTACTGCCAA GAACTTAAAA AGGTGATTGA AGCCTCCGAT GTTGTCTTAG 180
AGGTGTGGA TGCCAGAGAT CCTCTTGGTT GCAGATGTCC TCAGGTAGAA GAGGCCATTG 240
TCCAGAGTGG ACAGAAAAAG CTGGTACTTA TATTAAATAA ATCAGATCTG GGTACCAAAG 300
GAGGATTTGG GAGAGCTGGG NTAAATTATT TTGAAGGAAA GATTTGCCCA ACAGTGGGTG 360
TTTCAGAGCC TCAACCAAAA CCCAAAGGGT TAAAGGGGNN GGTTTACCCA GGGTTTC 417

Name: 23 Len: 476 Check: 213A
CGTACTGCTT CCGATATGGT ATCGACATCC CGTATCTTAG TTGCAGTAGT GAAGATGTGC 60
TATGAGGCTA AAGAATGGGA TTTACTTAAT GAAAATATTA TGCTTTTGTC CAAAAGGCGG 120
AGTCAGTTAA AACAAGCTGT TGCCAAAATG GTTCAACAGT GCTGTACTTA TGTGAGGAA 180
ATCACAGACC TTCCTATCAA ACTTCGATTA ATTGACTCT TACGAATGTT TACCGAAGCA 240
AGATTTATGT TGAAATTGAG CGTGCGCGAC TGACTAAAAC ATTAGCAACT ATAAAAGAAC 300
AAAATGGTGA TGTGAAAGAG GCAGCCTCCA TTTTACAGGA GTTACAGGTG GAAACCTACG 360
GGTCAATGCA AAAGAAAGAG CGAGTGGAAAT TTATTTTGGG GCAAAATGAGG CTCTGCCTAG 420
CTGTGAAGGA TTACATTCTGA ACACAAATCA TCAGCAAGAA AATTAACACC CAAATT 476

Name: 230 Len: 441 Check: 1340
CAGTTTCATG TATTTGAATC GACAAGACAC CTCCCTCGAT TCTCCATGTA TGCCTGACC 60
AGCCTGGACC CTGCCAGTGA GCCAATCAGT TATGTTAACT TTACCATTGC AGAACGGGCA 120
CAGAGGGTTG TTGTATGGCT CGGTCAGAAC TTTCTGTTAC CAGAAGACAC TCACATTGAG 180
AATGCTCCAT TTCAAGTGTG TTTTACATCT TTACGGAATG GCGGCCANCT GCATATAAAA 240
ATAAAACTTA GTGGAGAGAT CACTATAAAT ACTGATGATA TTGATTTGGC TGGTGATATC 300
ATCCAGTCAA TGGCATCATT TTTTGCTATT GAAGACCTTC AAGTAGAAGC GGATTTTCCT 360
GTCTATTTTG AGGGAATTAC GGAAAGGTGC TAGTTAAGGT GGATGAATAT CCTTTCAGTG 420
CATTCAGAAG CTCCAGTGCT T 441

Name: 231 Len: 333 Check: 8BC
GGTGTCCCAG GAAGTCAGCC ATTACTCCCC AGTGGAATGG ATCCAACCTG ACAACAAGGA 60
CATCCAAATA TGGGTGGGCC AATGCAGAGA ATGACTCCTC CAAGAGGAAT GGTGCCCTTA 120
GGACCACAGA ACTATGGAGG TGCAATGAGA CCCCCACTGA ATGCTTTAGG TGGCCCTGGG 180
AATGCTGGG AATGAACATG GGTCCAGGTG GTGGTAGACC TTGGCCAAAC CCAACAAATG 240
CCAAATTCOA TTACCATACT CCTTCAGCAT CTCCTGGGGA ATTTATTGTT AGGTCTCTCA 300
GGGAGTTGA NGGGCCACCA GGGNACACCC TTC 333

Name: 232 Len: 402 Check: 1753
CCCTTTACAC AGACTCACTT GTCACTCACT GCCATAGAGT ACAGCCACAG CCACGACAGG 60
TACCTACCAG GTGAAACCTT TGTCTTGGGG AATAGTCTGG CCCGCTCCTT GGAACCACAC 120
TCAGACTCAA TGGACTCTGC CTCAAATCCC ACCAACCTTG TCAGCACCTC CCAAAGGCAC 180
CGGCCCTTGC TTTTATCTTG TGGCCTCCCA CCAAGCACTG CCTCAGCTGT GCGCAGGCTA 240
TGCTCCAGGG GGTCGGACCG ATACCTGGGA GAGCCGCGAT GCCTCTTCGA CTGAGTGGCC 300
GGGACCCCTT CCTTCATGGG ACAGTTCGAG GATGTTGATT GCAGTTTGT TCCGGGGAAG 360
GTTGATTCCT CAGGTTTGGG ACCCCAAGGT TGAACCTGTT TT 402

Name: 233 Len: 492 Check: 1260
TGGGATCATA AGGAGCCCTT AAATACTTGT TATTGACTGG GGTATTTTTT ATGCTGTAGC 60
AAATGTGACA GGCTCTTTTT AGCAAAATTT TTGAAAATTT TTTTGGTATT ACTCTGAAAC 120
AAAAATTAAG TTGGAGTTTC AGGGATTTAG GGAGTAGTTT TCATTCTACA TGAAGTGAAG 180
TAATATTATG GTRACTCAA TATTTGGTTA AAAAACTAT ACAATCAGA ATAGTACTAA 240
AATACTGTAG GAATTTTAGG CATTTTTATT TTGCACTTTG TGTGGGATTG AGGGTGTTC 300
GGAAATACCC AACCCATTAA AAATGTAATC TAGTTGGGCC AAAGGGTGTG CGGCTTAAAA 360
CACGGGAACC CGAACNTGGC NTTGGNTTGG GGNTAACTTT TTGAGGGGTT TTTTGTCCAA 420
NAGCCNTGT GGAGGAGTTA CCATTTTTCN TTAAAGGTTG GGTGGGTCCC CCTGTCCAGA 480
GTTCTNNGGG AC 492

Name: 234 Len: 321 Check: 7
CGTGGCACTC CACCAGCTCT ACCAATACAC GCAGAAGTAC TATGACGAGA TCATCAATGC 60
CTTGAGGAG GATCCTGCCG CCCAGAAGAT GCAGCTGGCC TTCCGCTGTC AGCAGATTGC 120
CGCTGCACTG GAGAACAAGG TCACTGACCT CTGACCTACA ATCTCCAGTG CTGCCTTGGG 180
ACATAGGTAC CTGAGGTACC TGAGAGCCCC TCAGGGANGG NGGCCGAGTG GCTGTGGCTG 240
AGGCCCCCAC CCTCCCTGG GAACGCGCCC CAAGCCGGAN TGGGTGCAGC CGGAACCCGN 300
CCAGCGTTTT AGACTGTAGC A 321

Name: 235 Len: 359 Check: 1B4B
GCTTGCTATG AAGCAGTGTG TGAATGGACA ATGTTGAATG AATGTCTGGC TCAGTGATGG 60
AGAGCCAGGT TCATCTTTGA AATCTAGGGC TCTTCACTCA TGAAGCAGAC TCCTAGTCTT 120
GGAGTGACTG TGTACGAGAG CGTGGTTGTG GTGCTGTATG TGAACGCATG CAAGCTTGAT 180
TCACCTTCAG GGGGCTGATA ACCTAGTAAA TCATCAAAAT GAGATCATAA GTGTTAATGT 240
ACACTGGACA TGAAAAACAA GACTGGTTTA GCAGCAGACA TTGGTTTACT CTGCAGCCTG 300
TGTTTTCTGT TTCCCCCTTT CCCACCTCCT TCCCCCACC CAATCCPTTT TTTTTTTTT 359

Name: 236 Len: 306 Check: 3C9

2.4

GTGATGATGG	GCAGCCTGGT	GTACCTGCGG	CTGGGCTTGG	AGAAGTCACC	CTACTGCCAC	60
CTGCTGGACA	GCAGCCACTG	GGCAGAGATC	TGTGAGACCT	TTACCCGGGA	CGCCTGTTCC	120
CTGCTGGGGC	TTTCTGTGGA	GTCCCCCCTT	AGCGTCACTT	TTGCCTCTGG	CTGTGTGGCG	180
CTGCCTGTGT	TGATGAACAT	CAAGGCTGTG	ATTGAGCAGC	GGCAGTNCAC	TGGGGTCTGG	240
AATCANAAGG	ACGANTTACC	GATTGAGATT	NAACTAGGCA	TGAAGTNCTG	GTACCACTCC	300
GTNTTC						306

Name: 237 Len: 395 Check: 23DC

GTCAAAATAT	TACAGTAGAA	TCTGAGTGTA	ATATGTGTAA	CCAAAATGAG	AAAGAATACA	60
AGAAATGTTT	CTGGAGCTAG	TTATGTCTCA	CAATTTTGTA	GAATCTTACA	GCATCTTTGA	120
TAAACTTCTC	AGTGAAAATG	TTGGCTAGGC	AAGTTTCACT	AAAATATAGT	AGAAATGTTT	180
ATCCTGGTAT	CTCTAAGTAT	ACATTTAATT	GTACAGAAAA	TTTACAGTGT	AACATTGTTC	240
AACATTTGCA	GATTGACTGT	ATATGACCTT	AATCTTTGTG	GCAGCCTGAA	GGATCAGTGT	300
AGTTAATGCC	NGGGGAAAGT	GCTTTTTTAC	CTAGGACTTC	CNTTCTCAGC	TTCTCCCCCT	360
AAAGAGACCC	CTAANTATGG	CCNTTTTGGN	TTTGT			395

Name: 238 Len: 440 Check: 1545

GACAATCCAT	TAATTCCAGC	TGCGTGCATA	GATCACATTT	TTAAAATGTA	AAAATGCAAG	60
CAAAAACAGC	TGTAACAAAG	AAAGTGTGCT	CAAGGACCAA	AGATTTAACA	GATAAAAATA	120
CCCAATTAGA	AGAGATATAG	TAGACTATAT	GAAGAGAGAT	TATATTTGTT	ACACACCAAT	180
ATACATCAAA	GTGCCTGTTG	CCTTCTGAAA	ATTTGAAGTG	GCAAAATTAT	TTTATGGTTT	240
AATGATTATT	TTATTTTATC	AGGGACTGCC	TCAAGAAGAA	AATAACATAA	GCTTGTGGAA	300
TGGGTGGGAG	AAAATGCCCT	ATTTTTTCTT	GGCAAATACT	TGTATTAAAG	TTAACNTTGT	360
TGGATCNTGA	TATTATCCTA	GGGTACNGTG	TATGTGTGTA	TTAATTATAN	GGTGTGTGTG	420
TANATTATAC	CNTTTATATA					440

Name: 239 Len: 507 Check: 26EE

NGGCTCCTAT	CAGTGCACCT	GCCCTGATGG	TTACCGCAAG	ATCGGGCCCG	AGTGTGTGGA	60
CATAGACGAG	TGCCGCTACC	GCTACTGCCA	GCACCGCTGC	GTGAACCTGC	CTGGCTCCTT	120
CCGCTGCCAG	TGCGAGCCGG	GCTTCCAGCT	GGGGCCTAAC	AACCGCTCCT	GTGTTGATGT	180
GAACGAGTGT	GACATGGGGG	CCCCATGGCA	GCAGCGCTGC	TTCAACTCCT	ATGGGACCTT	240
CCTGTGTGCG	TGCCACCAGG	GCTATGAGCT	GCATCGGGAT	GGCTTCTCCT	GCAGTGATAT	300
TGATGAGTGT	AGCTACTCCA	GCTACCTCTG	TTCAGTACCG	CTGCGTCAAC	GAGCCAGGGC	360
CGTTTTNTTC	TGGCCACTGC	CCACAGGGTT	TACCAGCTGN	TGGGCCAAAA	GGNTTTTGCC	420
AAGAACATTT	GATTGAGTGT	TGAGTTTGGT	TGCGNAACAG	TGGTTCCGAG	GGNCCAAANT	480
TTGTTAAATT	TCCATGGGGG	TTAAGCT				507

Name: 24 Len: 278 Check: DEF

AATTCGGCCC	GAGGGTCCCT	GGTGCAGATC	CACGAAAAAA	ACGGCTGGTA	CACACCCCCA	60
AAAGAAGACG	GCTAACCCCTG	GAGTATCACC	CTTCCTCCCT	CCCCAGGCAC	CACTGGACCA	120
ATTACCTTTG	AATGCTGTAT	TTGGATCTCA	CGTGCCCTCT	GTGGTTCCCT	CCCTCATTTT	180
TCCTGGACGT	GATAGCTCTG	CCTATTGCAG	GACAATGATG	GCTATTCTAA	ACGCTAAGGA	240
AAAAAACAAA	ACACAGGACT	GTTTNAAGT	ACTCAAGA			278

Name: 240 Len: 369 Check: 1CF5

GAGACAGATG	GCCCACCAGG	AGCTGTTGCT	CTGGTTGCCT	TCCTGCAGGC	CTTNGAGAAG	60
GAGGTGCGCA	TAATCGTTGA	CCAGAGAGCC	TGGAACCTGC	ACCAGAAGAT	TGTTGAAGAT	120
GCTGTTGAGC	AAGGTGTTCT	GAAGACGCAG	ATCCCGATAT	TAACTTACCA	AGGTGGATCA	180
GTGGAAGCTG	CTCAGGCATT	CCTGTGCAAA	AATGGGGACC	CGCAGACACC	TAGATTTGAC	240
CACCTGGTGG	CCATAGAGCG	TGCCGGAAGA	GCTGCTGATG	GCAATTACTA	CAATNGCAAG	300
GAAGATGGAA	CATNCAAGCA	CTNNGTTGA	NCCCATTTNA	ACGATCTNTT	TCTTTNGCTT	360
GCGAGGANG						369

Name: 241 Len: 248 Check: 1F04

AATCTAATTC	AAATTGTCAA	AGCTACAAAA	GGGGGGAAGA	CATCTGTATT	ANTTTTGCTA	60
AGTCACAACA	TCCTAAAACA	AAATACTACT	ACTGTCAGCA	GATCCATTAT	ACACATTTCT	120
GATGAAATCC	ATTAGAACAA	TAAAAATTTC	ATCTTGAGAA	ATAGCCACAA	TGAAAGTAAT	180
TTACACAATA	TAAAACAATG	ACAGNTCTAC	AGATGCAGTT	GCTCATGAGT	TTACACATGC	240
ATACACAA						248

Name: 242 Len: 288 Check: D09

GTTTCCAAAA	TTCACTGTAC	ATGATCAGTT	TGGTGTTCCT	GTACCACAGT	TTTTAACTGA	60
AGGAACCAGT	TGTAACAGTC	TCAATTTTAA	CTAAAACTTG	AAGAACTAAA	ACAACAATGC	120
AAACCTTTCA	GCATTGTTTG	GCCAAACTTG	TAAAACTGT	AATGCAAGAA	CCAAATGCAC	180
TGTGATGTGG	CACCAACTAA	TTAGCAAGCA	TGAHTTTYTC	ACCCAAGAGT	GAAAAARGGA	240
AAATCTACCA	TGGCTTGAAG	TTAAAGRGCA	GAMCTCCTGA	CTACCATT		288

Name: 243 Len: 423 Check: 1FE0

AAAGAGTTAA	GGAAGGCAGG	TTGTNCTTCT	ATTCAGGNCA	CTCTTCGTTT	TNCATGTACT	60
GCATGCTGTT	TGTGGCACTT	TATCTTCAAG	CCAGGATGAA	GGGAGACTGG	GCAAGACTCT	120
TACGNCCAC	ACTGCAATTT	GGTCTTGTTG	CCGTATCCAT	TTATGTGGGC	CTTTCTCGAG	180

25

TTTCTGATTA TAAACACCAC TGGAGCGATG TGTTGACTGG ACTCATTGAG GGAGCTCTGG 240
 TTGCAATATT AGTTGCTGTA TATGTATCGG ATTTCTTCAA AGAAAGAACT TCTTTTAAAG 300
 ANAGAAAAGA GGAGGACTCT CATACAACCTC TGGCATGGAA ACACCAACAA CTGGGGAATC 360
 ACTNTGCCGA GCCAATCACC AGCCTTGAAA GGCAGCCAGG GTGCCNAGGT GAAGCTGGCC 420
 TGT 423

Name: 244 Len: 460 Check: 1420
 CCAACAGTAT CTCCTGCATC AAACGCCTCT CTGGGCTCCT CAAAGTCCTT GATATCATGC 60
 CCTTGACCCT GCATGCCTGT ATGCACCAGA AGCAGAGGCT CAGAAACCTG GAGCAGTTTG 120
 CCCGTCTGGA AGACTGTGTT CTCTTGGCAA CAGATGTGGC AGCTCGGGGT CTGGATATTC 180
 CTAAAGTCCA GCATGTATC CATTACCAGG TCCCACGTAC CTCGGAGATT TATGTCCACC 240
 GAAGTGGTGC AACTGCTCGA GCTAGCAATG AAGGCTCAG TCTGATGCTC ATTGGGCGCTG 300
 AGGATGTGAT CAACTTTAAG AAGATTTACA AAACGCTCAA GAAAGATGAG GATATCCCAC 360
 TGTTCCCGCT GCAGACAAAA TACATGGGAT GTGGTTCAAG GAGCGAATCC GTTTTAGCTC 420
 GACAGATTTG AGGAATCTGA GTATTGCGAA CTTTCCNGGT 460

Name: 245 Len: 2533 Check: B49
 CCAAGCCCAT GAGGGCCGCG CGCCCGGCGG CCGGTGCTGA CGAGACGGAG CTCCTGGCCC 60
 CCGAGGAGGA GCAGAGGATC AATGCGGTTT AAGAATCGAT TCCAGCGGTT CATGAACCAT 120
 CGAGCTCCAG CCAATGGCCG CTACAAGCCA ACTTGCTATG AACATGCTGC TAACTGTTAC 180
 ACACACGCAT TCCTCATTGT TCCGGCCATC GTGGGCAGTG CCTCCTCCA TCGGCTGTCT 240
 GATGACTGCT GGGAAAAGAT AACAGCATGG ATTTATGGAA TGGGACTCTG TGCCCTCTTC 300
 ATCGCTTCTA CAGTATTTCA CATTGTATCA TGGAAAAGA GCCACTTAAG GACAGCGGAG 360
 CATTGTTTTT ACATGTTTGA TAGAATGGTT ATCTATTTCT TCATTGCTGC TTCTTATGCT 420
 CCATGGTTAA ATCTTCGTGA ACTTGGACCC CTGGCATCTC ATATGCGTTG GTTTATCTGG 480
 CTCATGGCAG CTGGAGGAAC CATTATGTGA TTTCTCTACC ATGAAAAATA TAAGGTGGTT 540
 GAACTCTTTT TCTATCTCAC AATGGGATTC TCTCCAGCCT TGGTGGTGAC ATCAATGAAC 600
 AACACCGATG GACTTCAGGA ACTTGCCCTGT GGGGGCTTAA TTTATTGCTT GGGAGTTGTG 660
 TTCTTCAAGA GTGATGGCAT CATTCCATTT GGGCAGCCA TCTGGCACCT GTTGTGGCC 720
 ACGGCAGCTG CAGTGCATTA CTACGCCATT TGGAAATACC TTTACCGAAG TCCTACGGAC 780
 TTTATGCGCG ATTTATGACC AATCTGTACT AATTCTCAA ACCAGTATTA TTTCAATTAT 840
 GGCATGTGGG AGTGGGGTGA GAGCTAAACA TTGCACAGGG CAAAGAAAAA AAATAACTGC 900
 ACTGACTTTA TATCTTTTGA ATATAATTAC TGTGAAAGTA TAAAGGCTGT GTTCTGGAAT 960
 TTTCTGCCTC ACAGCAAATA AATAAGGTAG TGAATTAATT ATTCATTCCA TTCCACTATC 1020
 ATGAAGGACT CTGAATAGAC TTGGCCAACT GATGTTTACA AACCAGACTT TTATATTTA 1080
 ATTTTACAGA TTTTACTACA TGATTTTCT AAATTACTAT GTCAGGTTGT AAAAGTCAGT 1140
 GCAATAACAA ACCTTCCTTT TTAAGAAGAA AATTGTTTCT ATTACTTTC CATTCACTAG 1200
 GTAAAGAATC ATGGACAGAA CTTACACTAC TTTTACCAT GTTTCATCTT GGCATAACAT 1260
 GGTTCTTTTT TAAATAGAAA CTTTAGTTTT TTGTAAATTT TTAAAAAAAT ATTTCAATTGA 1320
 TATGCATCTC TGCAGGTCCT CATTCAATGT GTAAATTTT GGAGCAAGCA GTCAACATT 1380
 CACAAACGAA CAAACATTAT ACCTCTCTG ATAGTTTTAT TAAGCATGGA GAAATTGCCA 1440
 ATTTTTAAAA ACTGCAGTTT TCCAACTTT TCTGCCAACC TCTTACTCTG AATTCAGTGC 1500
 TGCTTTGGGA CATATACTTG ACCTAGCTTG GTTACCAGT GATGGAAAAG TATTTTGATA 1560
 TCATTAACCT TTTCAAAGA TCCAATTTT TCTCTATGCC TTTGCCACAT TCTCTTCAGG 1620
 GTCTCTTTCC ACAGCGGATA AATGTTTTTT CTGTATTATG ACAGTATTGT TGTGATGGCC 1680
 ATCTGCTGGA AACTCCTGAA GAGCATTATG TATTACAGTG AGCAGTTGTA TTGCCTGTTT 1740
 GGTGCCCAAT GGTAAAGTCA TTGTCATTA GCTTTATATT GTCAGTTTGA TATTTATTTT 1800
 AAATTGTGGA ACTAGATGCA TAAATTCACA TTTCTGCCTT TCCTTTGCAT CTTCTCATAT 1860
 ATTGTGTTTT TTTTTTTTTT CCTAGAAAAA ATATTTAAAG CATTGTTTGA CAGGTAGAAA 1920
 CTCATGTATC TGTAGTCCAT GAGTTATATC CTGGCTCAGT GGAGTGATAT TTATGTATTA 1980
 TTTTACTTTT TCTCTCAGTG TCTTATATTA AGATTAACAT GTTGTAAATA GTTGCTTTGT 2040
 TGATTAATCT CTCTTGTGGG TGTTTTAATA AATGAAATAG GCTTGCCTTT AGATCGGGTG 2100
 CTGATATTGC CTGTTTCCTA GTAATGGGCT GATCAATGA TCAGTGGAAT TCTTGGTTTG 2160
 ATGATAACCT TATTAATTGA AATTTTTTAC TGATGTGGCT TTAAGAGAGG TTTATTTTGT 2220
 ATATGTTTAG AACTCTCTGA TTTTGATGAA TTATATGGGA GTGAGAAACA GAAGAAGTGG 2280
 TATTTGCTGG CGAGTTAAAT AGGCAAGGTA CCCAGTGATA ACACCAACCA AACCCTCTCT 2340
 ATCTGCATGA TTCTGAACAT CTGGATGCCT GTTGTTTTAC TGTGTATATT TTATTTTAA 2400
 TATATTAACCT TTGTGGATTC ATTTAAGGTC TACTCAAAAG TAACACTGTC CAAACCACTA 2460
 ATATGTATGT AAAAATGTG CTGTATACTA CAATAAAGTT GTTACTTGGA TTTGTTCCAA 2520
 AAAAAAAAAA AAA 2533

Name: 246 Len: 6072 Check: 1F2E
 GGTGTCGGC GGGGAGGCCC CGCGCTTTA AAATAATGCC CGCGCGCCCC GCGGACCAT 60
 GCAATGGCGA GCGCTCGTCC TGGGGCTGGT GCTCCTCCGG CTGGCCTCC ATGGAGTATT 120
 GTGGCTCGTC TTCGGGCTGG GGCCAGCAT GGGCTTCTAC CAGCGCTTTC CGCTCAGCTT 180
 CGGCTTCCAG CGTCTGAGGA GCGCGGACGG CCGCGGCTCG CCCACCTCGG GCGCGTGGG 240

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CCGGCCCTGGG GGGGTATCCG GGCCGTCGTG GCTGCAGCCG CCGGGGACCG GGGCAGCGCA 300
 GAGCCCGCGC AAGGCTCCGC GGCGTCCTGG GCCGGGGATG TGCGGCCCAG CCAACTGGGG 360
 CTACGTGCTG GCGCGCCGGG GCGCGGGCCC GGACGAGTAC GAGAAGCGCT ACAGCGGCGC 420
 CTTCCCTCCG CAGCTGCGTG CCCAGATGCG CGACCTGGCA CGGGGCATGT TCGTCTTTGG 480
 CTACGACAA CACATGGCTC ACGCCTTCCC CCAGGACGAG CTCAACCCCA TCCACTGCCG 540
 CGGCCGTGGG CCGGACCGCG GGGACCCTTC AAATCTGAAC ATCAATGATG TACTAGGGAA 600
 CTACTCATTT ACTCTTGTG ATGCATTGGA TACACTTGCA ATAATGGGAA ATTCTATCCG 660
 GTTCCAGAAA GCAGTCAAGT TAGTGATCAA CACAGTTTCA TTTGACAAAG ATTCCACCGT 720
 CCAAGTCTTT GAGGCCACGA TAAGGGTCCT GGAAGCCTC CTTTCTGCTC ACAGAATAAT 780
 AACTGACTCC AAGCAGCCCT TTGGTGACAT GACAATTAAG GACTATGATA ATGAGTTGTT 840
 ATACATGGCC CATGACCTGG CCGTGCGGCT CCTCCCTGCT TTTGAAAACA CCAAGACAGG 900
 GATTCCATAT CTTGCGGTGA ATCTAAAGAC AGGAGTTTCT CCTGACACCA ATAATGAGAC 960
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 GGAATCCACA TTTGAGTGGG TGGCCAGACG AGCAGTGAAA GCCCTTTGGA ACCTCCGGAG 1080
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ACACCCAATC	TCTGAAGAAC	TGGAAACTCC	CATAAAAGAC	AGCCACCTGA	TCCCTACGCC	3780
TCAAGCCCCC	AGTATTGCOO	TTCCACTCGC	CAACCCCOCT	GTGGCTCCGC	ACCCTAGAGA	3840
AAAGATTATA	ACGATAGAGG	AGACTCATGA	AGAATTAATA	AAACAGTACA	TATTTTCAGTT	3900
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ATTGGTGATA	GAAAAGCAGT	GCTTTGATCC	CACCTGTACA	CACATTGTTG	TGGGACATCC	4020
ACTTCGAAAC	GAGAAGTATT	TAGCCTCAGT	GGCAGCTGGG	AAGTGGGTGC	TTCATCGCTC	4080
CTACCTTGAA	GCCTGCAGGA	CTGCTGGACA	CTTCGTGCAG	GAAGAAGACT	ATGAATGGGG	4140
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AGAGGCCACA	CATCTTTTTT	CTGACTTGAA	TAAACTGAAA	CCAGATGACT	CAGGAGTTAA	4440
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TCTCATGCAG	GAATCACCTC	CTCATGTAGA	AAATTACTGT	CTACCAGAAG	CTATTTTCATT	4560
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Len: 1584

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12A6

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AGCTGGGATA	CTAGCAAAAA	AGATTTAAAA	GACTATTTTA	CTAAATTTGG	AGAGGTCGTT	300
GACTGTACAA	TAAAAATGGA	TCCCAACACT	GGACGGTCAA	GAGGGTTTGG	GTTTATCCTG	360
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CGTGTCAATT	ACCCTAAAAA	GGCCATGGCT	ATGAAGAAGG	ACCCGGTCAA	GAAAAATCTT	480
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Len: 237

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TGCCTTTTTG	TGTGTCGGCA	TGGTGAGAGG	ATGGATGTTG	TGTTTGGGAA	GTACTGGCTT	180

3-1

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321

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34

P E R F E C T

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GGAGTGTTTA	ATTCAATTATC	CTTTTGACTT	AAAATTTTGT	TTACCAACTT	CCTAGGACTT	6600
AGATAATATA	TAAATAAGTA	CAAATCCCAG	GGGAAGTGTT	GTGATGCTAG	ACTAAAAGGT	6660
GGGAATGTGC	TGCTGTTCCG	TGAGCCTTGT	TCCATTGTTG	AAAATTTGAT	GCCTCAGTGT	6720
TTATTCAGTA	CCACCTCATG	GAGCTTCAAT	GTAATGGAT	TATATGTATA	ATTGGTAATT	6780
TGTATAGTTT	TGTAGATTGT	AGATTAAATG	CATCATCAT	GTC		6823

Name: 254

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GCGGGGGGCA	ATGGCACTGC	AGCTCTGGGC	CCTGACCCTG	CTGGGCCTGC	TGGGCGCAGG	60
TGCCAGCCTG	AGGCCCCGCA	AGCTGGACTT	CTTCCGCAGC	GAGAAAGAGC	TGAACCACCT	120
GGCTGTGGAT	GAGGCCTCAG	GCGTGGTGTA	CCTGGGGGCG	GTGAATGCCC	TCTACCAGCT	180
GGATGCCAAG	CTGCAGCTGG	AGCAGCAGGT	GGCCACGGGC	CCGGCCCTGG	ACAACAAGAA	240
GTGCACGCCG	CCCATCGAGG	CCAGCCAGTG	CCATGAGGCT	GAGATGACTG	ACAATGTCAA	300
CCAGCTGCTG	CTGCTCGACC	CTCCCAGGAA	GCGCCTGGTG	GAGTGCGGCA	GCCTCTTCAA	360
GGGCATCTGC	GCTCTGCGCG	CCCTGAGCAA	CATCTCCCTC	CGCCTGTTCT	ACGAGGACGG	420
CAGCGGGGAG	AAGTCTTTTC	TGGCCAGCAA	TGATGAGGCG	GTGGCCACAG	TGGGGCTGST	480
GAGCTCCACG	GGTCCTGGTG	GTGACCGCGT	GCTGTTTGTT	GGCAAAGGCA	ATGGGCCACA	540
CGACAACGGC	ATCATCGTGA	GCACTCGGCT	GTTGGACCGG	ACTGACAGCA	GGGAGGCCTT	600
TGAAGCCTAC	ACGGACCACG	CCACCTACAA	GGCCGGCTAC	CTGTCCACCA	ACACACAGCA	660
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GCACCCGGCC	CGGAACCGCA	CGCTGCTGGC	ACGCATGTGC	AGAGAAGACC	CCAACCTACTA	780
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CACCTGCCTG	GCCGCCTCCG	TGGCTGCGCG	TGGCTCTGGC	AGGGTGCTAT	ATGCTGTCTT	900
CAGCAGAGAC	AGCCGGAGCA	GTGGGGGGCC	CGGTGCGGGC	CTCTGCCTGT	TCCCGCTGGA	960
CAAGGTGCAC	GCCAAGATGG	AGGECACCCG	CAACGCCTGT	TACACAGGCA	CCCGGGAGGC	1020

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CCGTGACATC TTCTACAAGC COTTCCACGG CGATATCCAG TGGCGCGGCC ACGCGCCGGG 1080
 CTCCAGCAAG AGCTTCCCAT GTGGCTCGGA GCACCTGCCC TACCCGCTGG GCAGCCGCGA 1140
 CGGGCTCAGA GGCACAGCCG TGCTGCAGCG TGGAGGCCTG AACCTCACGG CCGTGACGGT 1200
 CGCCGCCGAG AACAAACCACA CTGTTGCTTT TCTGGGCACC TCTGATGGCC GGATCCTCAA 1260
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GGTGGACGAG	GGCAAGTCCA	AGAGAGGCAG	CGTGAAAGAG	AAGGAGCGGA	CGAAGGCCAT	4860
CACCGAGATC	TACCTGACGC	GGCTGCTCTC	AGTCAAGGGC	ACACTGCAGC	AGTTTGTGGA	4920
CAACTTCTTC	CAGAGCGTGC	TGGCGCCTGG	GCACGCGGTG	CCACCTGCAG	TCAAGTACTT	4980
CTTCGACTTC	CTGGACGAGC	AGGCAGAGAA	GCACAACATC	CAGGATGAAG	ACACCATCCA	5040
CATCTGGAAG	ACGAACAGCT	TACCGCTCCG	GTTCTGGGTG	AACATCCTCA	AGAACCCCCA	5100
CTTCATCTTT	GACGTGCATG	TCCACGAGGT	GGTGGACGCC	TCGCTGTCTG	TCATCGCGCA	5160
GACCTTCATG	GATGCCTGCA	CGCGCACGGA	GCATAAGCTG	AGCCGCGATT	CTCCCAGCAA	5220
CAAGCTGCTG	TACGCCAAGG	AGATCTCCAC	CTACAAGAAG	ATGGTGGAGG	ATTACTACAA	5280
GGGGATCCGG	CAGATGGTGC	AGGTCAGCGA	CCAGGACATG	AACACACACC	TGGCAGAGAT	5340
TTCCCGGGCG	CACACGGACT	CCTTGAACAC	CCTCGTGCCA	CTCCACCAGC	TCTACCAATA	5400
CACGCAGAAG	TACTATGACG	AGATCATCAA	TGCCTTGGAG	GAGGATCCTG	CCGCCAGAA	5460
GATGCAGCTG	GCCTTCCGCC	TGCAGCAGAT	TGCCGCTGCA	CTGGAGAACA	AGGTCACTGA	5520
CCTCTGACCT	ACAATCTCCA	GTGCTGCCTT	GGGACATAGG	TACCTGAGGT	ACCTGAGAGC	5580
CCCTCAGGGG	AGGAGGCCGA	GTGGCTGTGG	CTGAGGCCCC	CACCCTCCCC	TGGAACGCGC	5640
CCCAAGCCGG	AGTGGGTGCA	GCCGGAACCC	GCCCAGCGTC	TAGACTGTAG	CATCTTCCTC	5700
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CTAGGTTGGG	CCCCTGGGGG	ATCTGAGGGC	CTGTGGCCCC	CAGGGCAAGT	TCCAGATCC	5940
TATGTCTGTC	TGTCCACCAC	GAGATGGGAG	GAGGAGAAAA	AGCGGTACGA	TGCCTTCCTG	6000
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TCCTGGTCTG	TCAGACAGGC	TGCCCTAGAG	CCCCACCCAG	TCCGGGGGGA	CTGGGAGCAG	6180
TTCCAAGACC	ACCCACCC	TTTTTGTAAA	TCTTGTTTAT	TGTAAATCAA	ATACAGCGTC	6240
TTTTTCACTC	CG					6252

Name: 255

Len: 7834

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CGTCTGAAGG	TCACGAGCCC	CGCCGACAGC	CCAGACCCAG	TCCGGGCTAG	CCCGAGGCCT	60
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ATCCGAGCCT	GCCATGTTTT	AGAGGCAGGT	CGCCGCCGGA	CTCCGACGCG	GCCGGGAAGG	180
CGACGGTGTC	CTGGAAGGAC	CGATCCACGC	AGACCGACAC	TGGGCGCGGA	CGCACGAACC	240
AAAGCGCGGG	AAGGAGGCGT	GAAGAAGGAC	GGACGTTAAA	GAGCTTCTCG	CCGCTGATTG	300
GTCATCAGAG	GAGCACTTCC	TTCACAGGAC	GTGAAACGGG	GGCGGTTTGG	GAAGTTTAGA	360
GACCATTCTC	CGCCGACCAA	AACCCGTCAA	AGGATTATCA	GACACGCGGG	TCGGACGGTC	420
CACATCAGCC	GGCAGCCCGG	GCGGGTCCCG	GGGTGCGAGC	AGCGCACTTC	CGGTGAGCTA	480
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GGTCCGGGGT	GGTACAGCCA	CGTGACAACG	CCAGGCCCCG	CCTTCCCCCT	CTTTTGGTTA	600
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TCAAGAGAGT	GCGAATGAGG	CATTCCAATG	GTGGGTGGGC	CCTGACCTGA	GAGAGTGGCG	780
CGGGGAGGGG	TGAAAGCGCG	GCGATCCTGG	AACGCCAGCG	GGCGTTGCGG	CCTATGCGCG	840
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TCCAGACTAC	AAAAGCGGCT	GCCGGAAAGC	GGCCGGCAAC	TCATTTCATT	CTACCGGTCT	960
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TCCCCGCGAA	CCGCAACCAT	TGACGCCATG	TCGGGTATT	CGAGTGACCG	AGACCGCGCG	1140
CGGGACCGAG	GGTTATTTCGA	GTGACCGAGA	TGCGGCGCAC	CGAGGGTGAG	TTTGGGAGCC	1200
GAGCTGTGAG	GCCAGGCGGG	TGGGGGGATG	GGAGGGCGGG	TCAGGGTGGC	GGCCGGCGGG	1260
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GCGCCATTTT	GATATTACAG	TCACAGTGAT	TGGAAGAGAT	TTGACGGTGT	AGTGTCTTCA	1380
AGCTTGCTTT	TTGTGTGGGG	ATTTGGGGAG	CTGTGCGGGC	GGCTGCCATT	TGGTAGCTGT	1440
TGAGGGAGTT	GAGAGGGAGC	GTATTGTGCG	GATGAAAGCG	GACGCTTCGA	GGCATGACGA	1500
AGGAACATCT	GTTAGGTGCG	GCGTTTCGGT	AGGTGTTTTT	GGGGTGGCCG	GGCATTCGT	1560
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GACCCATGTC	GCTGAGTCGC	GAGTACAAAA	TGCCGGCCTC	GGACATGGCG	GCGGCGCCTT	1680
TGTTACCCCG	CCCGCGGGAG	GAGCTCAAAA	TGGCAGCGTC	GAGAAAATGT	GCGCGAGAGA	1740
GAAATGCGAG	ACAAAGGGGG	AAGCGCCGCC	CCAGCGGGAA	CGCCGCCCGG	CCGACTCCGC	1800
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TATAATTTTG	ATTCTGTTGAT	CCGGAGCTCT	ACCGCGGCGT	TCCCCAGCT	GGGTTTGCTA	1920
GCAGAAGTGT	TTCTGAGAAA	ACCCTTGTTT	TGTTATCGCT	GACTGTACTG	TTTAGGTTCT	1980
TACCATCAAA	GCTGTTTGCT	TCCAAAACGG	CCATATGAGT	AACATCGTCG	TGATGCTCTT	2040
CGGTTTCATG	AGCCTTGTTA	TTGCTGATAG	TGAATTGCTA	GGCTGGTGGG	GAAGATTACA	2100
GTAACACAAA	GAAGTGCTGT	GTGCCAGAA	CCCAAATTCT	GGCATGTGGG	TGACAAGTTT	2160
CCGACATGAT	AAATCCCCGG	CTTCCGACAT	GATAAATCCC	AGGCTGTTTA	CATGACCTAA	2220

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TTACGAAGG	ACAGTGCTAG	GTTTACCTCT	CGAAGTCTGT	TTTCAGTGGT	TTTTAGCTTG	2340
TGCCAATGGA	TGACAAATCT	ATACAGAAAC	CTGGGTATAG	CCTAAAGAAA	ATGTGAATAA	2400
CGTTTTTTTT	CATTCCAGGT	TGGTGCACC	TCGATTTGGA	GGAAGTAGGG	CAGGGCCCTT	2460
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GGTATCCATG	GTGACAAGAG	TCAACAAGAG	CGTGACTGGG	TTCTAAATGG	TAAATATTTT	5100
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CGCAGAAGCA	TTCAGATGTC	ACTTGATGAT	CTGTAAGGGA	ACTTGCTGAT	TTGGGAATGT	6180
GCTTATTTAA	CACACATTCC	TTTTGACAGG	GTCTGTCACT	GGGGTGGGGG	TGATGAATTA	6240
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AACTTTTTAT	TTTTGGTCTG	GCTGTTGTGG	TGTGCAAAAC	TCCGTACATT	GCTATTTTGC	6420
CACACTGCAA	CACCTTACAG	ATGTGGAAGA	TGTGAAATTT	GTCATCAATT	ATGACTACCC	6480
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GCTTCGTGAA	GCTAATCAAG	CAATTAATCC	CAAGTTGCTT	CAGTTGGTCG	AAGACAGAGG	6660
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TAAAAACATT	TCACGCCTAC	CATGAATAGA	TCTGTTTCTT	CTGTCCACAA	TGATTTGTGT	6840
CATAGACATA	ATTGATCAAT	TTGCAATTGT	TTCTTGACA	GGTCGTTCCA	GGGGTAGAGG	6900
AGGCATGAAG	GATGACCGTC	GGGACAGATA	CTCTGCGGGC	AAAAGGGGTG	GATTTAATAC	6960
CTTTAGAGAC	AGGGAAAATT	ATGACAGAGG	TTACTCTAGC	CTGCTTAAAA	GAGATTTTGG	7020
GGCAAAAAC	CAGAATGGTG	TTTACAGTGC	TGCAAAATTAC	ACCAATGGGA	GCTTTGGAAG	7080
TAATTTTGTG	TCTGCTGGTA	TACAGACCGA	TTTTAGGACT	GGTAATCCAA	CAGGGACTTA	7140
CCAGAATGGT	TATGATAGCA	CTCAGCAATA	CGGAAGTAAT	GTTCCAAATA	TGCACAATGG	7200
TATGAACCAA	CAGGCATATG	CATATCCTGC	TACTGCAGCT	GCACCTATGA	TTGGTTATCC	7260
AATGCCAACA	GGATATTCCC	AATAAGACTT	TAGAAGTATA	TGTAAATGTC	TGTTTTTCAT	7320
AATTGCTCTT	TATATTGTGT	GTTATCTGAC	AAGATAGTTA	TTTAAGAAAC	ATGGGAATTG	7380
CAGAAATGAC	TGCAGTGCAG	CAGTAATTAT	GGTGCACCTT	TTCCGCTATT	AAGTTGGATA	7440
TTTCTCTACA	TTCTTGAAAC	AATTTTTTAGG	TTTTTTTTGT	ACTAGAAAAT	GCAGGCAGTG	7500
TTTTTCAAAA	AGTAAATGTA	CAGTGATTTG	AAATACAATA	AATGAAGGCA	ATGCATGGCC	7560
TTCCAATAAA	AAATATTGTA	AGACTGAATT	AAGTGGAAAT	TGTACTTTAT	TTATATAATG	7620
TCATGTAAAA	CTTTGCTTAA	GATGGTCTGG	TTTTTTTTTT	GTTTTTGTGT	GGTTTTTTTT	7680
TTCCATGAAA	ACAAATGACT	GTTCCCTTTT	ATTTAATTG	GGAGGCAGGG	GGAATCAGAA	7740
GGCCCTTCTT	TATAATGAGC	TATTCATATT	GCAGGAGTCA	GAATGAATTG	ATACAGGTGA	7800
ATTTTTAGTT	ACAGGCTAAA	TTGCATAAAA	GCTT			7834

Name: 256

Len: 903 Check: 215E

CEGCGGCGGC	GACAGGACCG	AGGGGCCTTA	GTTGGTGGGC	AAGTCGGGGA	TCCCAGAAAG	60
AGAAGCGTGA	CCCGGAAGCG	GAAACGGGTG	TCCGTCCCAG	CTCCGGCCTG	CCAGTGAGCT	120
TCTACCATCA	TGGACCTATT	GTTCCGGGCG	CGGAAGACGC	CAGAGGAGCT	ACTGCGGCAG	180
AACCAGAGGG	CCCTGAACCG	TGCCATGCGG	GAGCTGGACC	GCGAGCGACA	GAACTAGAG	240
ACCCAGGAGA	AGAAAATCAT	TGCAGACATT	AAGAAGATGG	CCAAGCAAGG	CCAGATGGAT	300
GCTGTTGCGA	TCATGGCAAA	AGACTTGGTG	CGCACC GGCG	GTTATGTGCG	CAAGTTTGTA	360
TTGATGCGGG	CCAACATCCA	GGCTGTGTCC	CTCAAGATCC	AGACACTCAA	GTCCAACAAC	420
TCGATGGCAC	AAGCCATGAA	GGGTGTCACC	AAGGCCATGG	GCACCATGAA	CAGACAGCTG	480
AAGTTGCCCC	AGATCCAGAA	GATCATGATG	GAGTTTGAGC	GGCAGGCAGA	GATCATGGAT	540
ATGAAGGAGG	AGATGATGAA	TGATGCCATT	GATGATGCCA	TGGGTGATGA	GGAAGATGAA	600
GAGGAGAGTG	ATGCTGTGGT	GTCCCAGGTT	CTGGATGAGC	TGGGACTTAG	CCTAACAGAT	660
GAGCTGTGCA	ACCTCCCCTC	AACTGGGGGC	TGCTTAGTGG	TGGCTGCTGG	TGGGAAAAAA	720
GCAGAGGCCG	CAGCCTCAGC	CCTAGCTGAT	GCTGATGCAG	ACCTGGAGGA	ACGGCTTAAG	780
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AAA						903

Name: 257

Len: 1860 Check: DF4

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GCGCAGCGGA	GCCCCGACAC	CGCCGCCGCG	GCCATGGAGT	CCGAGACCGA	ACCCGAGCCC	120
GTCACGCTCC	TGGTGAAGAG	CCCCAACCAG	CGCCACCGCG	ACTTGGAGCT	GAGTGGCGAC	180
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CGTCCAGAGG	ACCAGAGGTT	AATTTATTCT	GGGAAGCTGT	TGTTGGATCA	CCAATGTCTC	300
AGGGACTTGC	TTCCAAAGCA	GGAAAAACGG	ATGTTTTTGC	ATCTGGTGTG	CAATGTGAAG	360
AGTCCTTCAA	AAATGCCAGA	AATCAACGCC	AAGGTGGCTG	AATCCACAGA	GGAGCCTGCT	420
GGTTCCTAATC	GGGGACAGTA	TCCTGAGGAT	TCCTCAAGTG	ATGGTTTAAAG	GCAAAAGGGAA	480
GTTCTTCGGA	ACCTTCTTTC	CCCTGGATGG	GAAAACATCT	CAAGGCCTGA	AGCTGCCCAG	540
CAGGCATTCC	AAGGCCTGGG	TCCTGGTTTC	TCCGGTTACA	CACCCTATGG	GTGGCTTCAG	600
CTTTCCTGGT	TCCAGCAGAT	ATATGCACGA	CAGTACTACA	TGCAATATTT	AGCAGCCACT	660
GCTGCATCAG	GGGCTTTTGT	TCCACCACCA	AGTGCACAAG	AGATACCTGT	GGTCTCTGCA	720
CCTGCTCCAG	CCCTATTCA	CAACCAGTTT	CCAGCTGAAA	ACCAGCCTGC	CAATCAGAA	780
GCTGCTCCTC	AAGTGGTTGT	TAATCCTGGA	GCCAAATCAA	ATTTGCGGAT	GAATGCACAA	840

39

GGTGGCCCTA TTGTGGAAGA AGATGATGAA ATAAATCGAG ATTGGTTGGA TTGGACCTAT 900
 TCAGCAGCTA CATTTTCTGT TTTTCTCAGT ATCCTCTACT TCTACTCCTC CCTGAGCAGA 960
 TTCTCATGG TCATGGGGGGC CACCGTTGTT ATGTACCTGC ATCACGTTGG GTGGTTTCCA 1020
 TTTAGACCGA GGCCGGTTCA GAACTTCCCA AATGATGGTC CTCCTCCTGA CGTTGTAAAT 1080
 CAGGACCCCA ACAATAACTT ACAGGAAGGC ACTGATCCTG AAACTGAAGA CCCCACCAC 1140
 CTCCCTCCAG ACAGGGATGT ACTAGATGGC GAGCAGACCA GCCCCTCCTT TATGAGCACA 1200
 GCATGGCTTG TCTTCAAGAC TTTCTTTGCC TCTCTTCTC CAGAAGGCC CCCAGCCATC 1260
 GCAAACGAT GGTGTTTGTG CTGTAGCTGT TGGAGGCTTT GACAGGAATG GACTGGATCA 1320
 CCTGACTCCA GCTAGATTGC CTCTCCTGGA CATGGCAATG ATGAGTTTTT AAAAAACAGT 1380
 GTGGATGATG ATATGCTTTT GTGAGCAAGC AAAAGCAGAA ACGTGAAGCC GTGATACAAA 1440
 TTGGTGAACA AAAATGCC AAGGCTTCTC ATGTGTTTAT TCTGAAGAGC TTTAATATAT 1500
 ACTCTATGTA GTTTAATAAG CACTGTACGT AGAAGGCCTT AGGTGTTGCA TGTCTATGCT 1560
 TGAGGAACCT TTCCAAATGT GTGTGTCTGC ATGTGTGTTT GTACATAGAA GTCATAGATG 1620
 CAGAAGTGGT TCTGCTGGTA AGATTGATT CCTGTTGGAA TGTTTAAATT AACTAAGTG 1680
 TACTACTTTA TATAATCAAT GAAATTGCTA GACATGTTT AGCAGGACTT TTCTAGGAAA 1740
 GACTTATGTA TAATTGCTTT TTAATAATGCA GTGCTTACT TTAACATAAG GGGAACTTTG 1800
 CGGAGGTGAA AACCTTTGCT GGGTTTTCTG TTCAATAAAG TTTTACTATG AATGACCCTG 1860

Name: 258

Len: 5350 Check: 199C

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 CTCTGCCCAT GAAAAGGTGT GGGGGGCATT AGAAGGCGTT CTCTCGGTG TAATGAAGTA 120
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 AAAAAGTTGG GACTTGAACA GTACGGGGGT GCTGCTGAAA ACGTTTGAGG GAGGTAATGA 240
 CATGATCGAA GCTATACTTG AGAAAGGTGA ATCTGATAAA GTATGAGTGA AAAAGAGACT 300
 GAAGGTCTAG AAATTAGATT GAGGCTAATG ACAAATCCA CATAAATAGG AGGACTTGAA 360
 CGAAGGGGCA CTTAGAAGAG GACAGGAGAT AGTAAAAGGC ATTCAATGAT GAGAGCACAC 420
 ACTACAGGGG AGCATGAGGG AGGTTGGAAA AGATAATGAA AGGATTACCG AGCTTCACTG 480
 ACGATGTGTT TGAAATGAGC AGGAATCTTG TAGTGATCCT AATCCGTGGT TTTCTGGAGC 540
 ATTTACAGC CTAGGAACAT ACAAGGGGGG CATCTCCCTG GAATGTAAAT TGAATAAGAG 600
 GAATTCAATA ATGGTCAAAT GAATGCAGAA TTTTAGAGTC TTGCTTAGTA TTCTCACCAC 660
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 TTAATTAAAA GTATTTTACA AAATGTGCTC GTTTTCAGTC ATTCCGTTTC CACTCCAGCC 780
 TGTTGTGTTG TTTTTTTGAA ATAATAATTT AAAGTAATTT TCCTTTTGCA GGATGGCATA 840
 GTCATCCAA CAATAAGAAA AGATTGAAA ACTGGACCGA AATTCTACTG CTGTCCAATT 900
 GAAGGCTGCC CCAGAGGCC TGAGAGACCG TTTCTCAGT TTTCTCTCGT AAAACAGCAC 960
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 GATCTGTCTT ATGCCTCACA AAACCTTTATA CCTTCTGCAC AGTGGGCCAC TGCTGATTCC 1800
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 AATCAAGATA TTGAGAAATC TGCACCAATT ATAAATTTCA GTGCACAGAA TAGTATGCTT 2220
 CCTTCACAGA ACATGACAGA TAATCAGACC CAAACCATAG ATTTATTAAG TGATTGGA 2280
 AACATCTTGT CAAGTAATCT GCCTGCCAG ACATTGGATC ATCGTAGTCT TTTGTCTGAC 2340
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 TTTGATATCG AAGAGTTCTT TTCGGCCTCA AATATCCAGA CTCAAAGTGA AGAGAGTGAA 2460
 CTTAGCACCA TGACCACCGA GCCAGTCTTG GAGTCACTGG ACATAGAGAC TCAAACGGAC 2520
 TTCTTACTCG CAGATACCTC TGCTCAGTCC TATGGGTGTA GGGGAAATTC TAACCTCTTA 2580
 GGCCTTGAGA TGTTTGACAC ACAGACACAG ACAGACTTAA ACTTTTTCTT AGACAGTAGC 2640
 CCTCATCTGC CTCTGGGAAG TATTCTGAAA CACTCCAGCT TTTCCGTGAG TACTGATTCA 2700

4C

TCTGACACAG	AGACCCAAAC	TGAAGGAGTC	TCCACTGCTA	AAAATATACC	TGCTCTAGAA	2760
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GGGAGCTTGT	TCTTCACCAG	CAACGAAACT	CAGACAGCAA	TGGATGACTT	TCTTCTGGCT	2880
GATCTGGCCT	GGAACACGAT	GGAGTCTCAG	TTGAGCTCTG	TAGAAACCCA	GACTTCTGCG	2940
GAACCACACA	CAGTCTCCAA	CTTCTAAAAC	TAACGGTGGG	GTCCATGTGT	GAAATGGCAT	3000
CTACCATTTC	CTCTGGATTA	AAACTACGGA	CTGGGGACAA	CAGTATTAAT	TCGATTGAAT	3060
GTGGCTGATG	ATGCAGTTGC	TTAGCTTCTT	TGTGTTTCTT	TGCCTTTTGT	ACTTGTA AAC	3120
AGAAATTTGC	GTATAAATGT	GAGTGTATTA	TAAAGTTTGA	GATGTTGATC	TAAATTGTTT	3180
TTGTGTTGCC	TACATTTGCC	TTTTCACAGC	TAGTCTTTTC	ATGTTAAAAA	AAAAATGTAT	3240
TTCATATCTA	TAAAACCTAT	ATAGCCATTT	AGCTGAAGCC	CAGCTTACCA	GGTTCAAGGG	3300
TACAAACTTC	TCAAATCTTC	AAAACATTTT	AGTCAAAGTG	TAATATACTT	AAACTGCACC	3360
TAAAATATCT	TTGGCACTGC	TTGTTAGAAA	TTCTTGATTG	CTGTTACTAA	TCACTAAAGA	3420
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CTGCCTGGAC	CTTCGTCAGC	TTTGACACCT	CTTTTCTGAT	TTAAAGACAC	CAAGGAAAAC	3540
TACAACTGTC	TTTAGCTTTG	AAGCAGTTTT	CATGTAATCA	TTGCCACCTC	TTCGCTACAT	3600
GAACTACTAT	TGATACCAGC	ATACAAGTGT	ATAGCACTTT	ACACACAAGA	GGTTTATTGA	3660
TGTAAAATTA	TCGGCTAGGG	AAGCAGCAGC	GGGCCAGGTG	TGGTGGCTTA	CCCCTGTAAT	3720
CCCAGCACTT	TGGGAGGCCA	AAGCAGGAGC	ATCACTTGAG	CCCAGGAGTT	CAACACCAGC	3780
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AGACCCTATC	TCAAAAAAAA	AAAAAAAAGT	CGCCAGCAAC	AAGCACGTAG	TGTAGTGTTT	4020
CTGCTAAATG	AGCATAGGTT	ATCCAAACCT	TGGGAACAGG	GAGTTATGGA	AACGTGCCTA	4080
TGACTTCATC	TTGGGGTGTC	TCCTATGAAG	ATCCTTTCTG	GTCTCCACAG	TAGGCCAGAG	4140
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TCTAAAATTA	AACAAGAAAA	AAAGTGGGAA	AAGGGCATCC	CCCATTAGGT	TTCAATACTT	4260
TGCACCTCTA	CTAAGCTTGA	TAGGGCAGGA	GTGCAATCTA	CAATTATTTT	AAAGTGAATT	4320
TCCTTCCATT	CACCATTCTT	TATCTTTTCT	TGGAATAAGA	AAAAGTATCT	AGCAAGGATA	4380
TTACTTGTGC	CTTGAGGCTA	GCAATTATAG	GATAGATTCA	TCTAAAATAT	GGTATTCTGC	4440
ATTTTGGTTT	TTTTTCTTAA	GTGAATAATA	CCAGTCTTCA	AAGAAAACAA	GGTGAAGACC	4500
TATTGCTTCA	ATAATCAAGA	ATGCTTTGTG	TGTTTTGAGG	TAGGAGCATG	ATCAAGTATG	4560
CTTTGGGGAT	TTTCTGTATT	TAGGAGATCC	TGGATTCTTA	ATTGTTGGCT	AAGTTCCAGT	4620
CAAGTAGGAA	TCAGTGCAGC	CTGTAAGTTC	TCCACATTGA	CACACACACA	CACACACACA	4680
CACACACACA	CACACGACAT	GCTCCTTTCT	GTGGCACATG	CCTGTATTAC	TGAAAGCTAA	4740
ATCCTCAAAA	CCTAGTAAGG	GGACCAATGA	TTCAATTAAG	TAAATTGATG	GTTTTGCTAC	4800
TAATTCCTAT	CCCATACATT	TGACACAAAA	GAAGTGTGTT	TAATGGATAA	ATAACATATC	4860
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TGTGGGTTTC	AAAAGAAACA	TAAAGCCTTA	ACTTAGAATT	TCATTATGTT	TTAGAATCAT	4980
CACTGCCTTA	ATATTCAAGC	ATCTATTTAA	GTCTAATAA	AGGAGAAATG	CATGTTTATG	5040
GCTTTTTTGT	AAATATAAAT	GCAGTGATCT	ATGGCTTAAA	AAATTTGTTT	CTGTGACAAT	5100
GTTTGTAAAT	CTAGCCAATA	GAGTCATTTA	CAGAAGAAAA	ATGAGCATGT	AATAATACAA	5160
GAACGTGTTT	CCCCTCAAAA	CCTGAACCTG	AATTATTTGT	AAAAACTGAA	ATTTAATGAT	5220
TAAAGAGAAG	CCAGAATTGT	ACCCTTTTTT	GTGAATTCTT	GAACGTACTC	ATAAATATGA	5280
CTTATTGTAT	TGCCTTAAGT	TTTCACTCAT	TGTCTTTTGA	AAGCCATATG	ATAAATGAT	5340
TTTATTTAAT						5350

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Len: 3497 Check: 233D

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CCTGGCCTAT	TTTGAGCAGT	TAAAAATTTT	CCCAGATGCC	TGGCAGGTGT	GTGCAGAAGC	180
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ACATCAAGTT	AAATACAAAT	ACTCAGAACT	AACCACTGTT	CAACAACAGC	TAATTAGGGA	300
GACGCTCATA	TCATGGCTGC	AAGCTCAGAT	GCTGAATCCC	CAACCAGAGA	AGACCTTTAT	360
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GAAACTAGTG	GAATCCTTGT	TGCAAGTATT	ACAGTCTGCT	GGGTTTTTCA	GCATTGACCA	900
GGAAAGAGAT	GTTGACTTCC	TGGCCAGATT	TTCTAAGTTG	GTAAATGGAA	TGGGACAGTC	960
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41

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 ATAACTTTA CGTAGTG 3497

Name: 26

Len: 620 Check: 9F5

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 TGGTGAATAT CTCCCTGCGA GTGTGTCTC GACCCAATGC TCAGGAGCTT CCTAGCATGT 240
 ACCAGCGCCT AGGGCTGGAC TACGAGGAAC GAGTGTGTC GTCCATTGTC AACGAGGTGC 300
 TCAAGAGTGT GGTGGCCAAG TTCAATGCCT CACAGCTGAT CACCCAGCGG GCCCAGGTAT 360
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Name: 260

Len: 5238 Check: 16B5

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 CGCCACGAC ATCCACCTCC TCCCTGAAGA TGCAGGACAA GGAGCTGCGC GCGGTCTTCC 420
 TGCGGCTGTT CGCTCAGCTG CTGCAGGGCT ATCGCTGGTG CCTGCACGTC GTGCGCATCC 480

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ACCCGGAGCC	TGTCATCCGC	TTCCATAAGG	CAGCCTTCCT	GGGGCAGCGT	GGGCTGGTAG	540
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GTGGGGTCCC	ATACCGCCCT	ACGGACCTGT	TCGATGAGCT	GGTGGCCAC	GAGGTGGCAA	660
GGATGCGGGC	GGATGAGAAC	CACCCCCAGC	GTGTCTGCG	TCACGTCCAG	GAACTGGCAG	720
AGCAGCTCTA	CAAGAACGAG	AACCCGTACC	CAGCCGTGGC	GATGCACAAG	GTACAGAGGC	780
CCSGTGAGAG	CAGCCACCTG	CGACGGGTGC	CCCCACCCTT	CCCCCGGTG	GATGAGGGCA	840
CCGTGCAGTG	GATCGTGGAC	CAGGCTGCAG	CCAAGATGCA	GGGTGCACCC	CCAGCTGTGA	900
AGGCCGAGAG	GAGGACCACC	GTGCCCTCAG	GGCCCCCAT	GACTGCCATA	CTGGAGCGGT	960
GCAGTGGGCT	GCATGTCAAC	AGCGCCCGGC	GGCTGGAGGT	TGTGCGCAAC	TGCATCTCCT	1020
ACGTGTTTGA	GGGGAAAATG	CTTGAGGCCA	AGAAGCTGCT	CCCAGCCGTG	TTGAGGGCCC	1080
TGAAGGGGCG	AGTTGCCCGC	CGCTGCCTCG	CCCAGGAGCT	GCACCTGCAT	GTGCAGCAGA	1140
ACCGTGCGGT	CCTGGACCAC	CAGCAGTTTG	ACTTTGTCTG	CCGTATGATG	AACTGCTGCC	1200
TGCAGGACTG	CACTTCTCTG	GACGAGCATG	GCATTGCGGC	GGCTCTGCTG	CCTCTGGTCA	1260
CAGCCTTCTG	CCGGAAGCTG	AGCCCCGGGG	TGACGCAGTT	TGCATACAGC	TGTGTGCAGG	1320
AGCACGTGGT	GTGGAGCAGC	CCACAGTTCT	GGGAGGCCAT	GTTCATATGGG	GATGTGCAGA	1380
CTCACATCCG	GGCCCTCTAC	CTGGAGCCCA	CGGAGGACCT	GGCCCCCGCC	CAGGAGGTTG	1440
GGGAGGCACC	TTCCAGGAG	GACGAGCGCT	CTGCCCTAGA	CGTGGCTTCT	GAGCAGCGGC	1500
GCTTGTGGCC	AACTCTGAGT	CGTGAGAAGC	AGCAGGAGCT	GGTGCAGAAG	GAGGAGAGCA	1560
CGGTGTTTCAG	CCAGGCCATC	CACTATGCCA	ACCGCATGAG	CTACCTCCTC	CTGCCCTGG	1620
ACAGCAGCAA	GAGCCGCTTA	CTTCGGGAGC	GTGCCGGGCT	GGGCGACCTG	GAGAGCGCCA	1680
GCAACAGCCT	GGTCACCAAC	AGCATGGCTG	GCAGTGTGGC	CGAGAGCTAT	GACACGGAGA	1740
GCGGCTTCGA	GGATGCAGAG	ACCTGCGACG	TAGCTGGGGC	TGTGGTCCGC	TTCATCAACC	1800
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GCGCGGGGGG	CAGTGCTGGG	GGACCAGCAT	TGCTCCCAGC	TGAGGGCGCC	GTCTTCTCA	2100
CCACGTACCG	GGTCATCTTC	ACGGGGATGC	CCACGGACCC	CCTGGTTGGG	GAGCAGGTGG	2160
TSGTCCGCTC	CTTCCCGGTG	GCTGCGCTGA	CCAAGGAGAA	GCGCATCAGC	GTCCAGACCC	2220
CTGTGGACCA	GCTCCTGCAG	GACGGGCTCC	AGCTGCGCTC	CTGCACATTC	CAGCTGCTGA	2280
AAATGGCCTT	TGACGAGGAG	GTGGGGTCTG	ACAGCGCCGA	GCTCTTCOGT	AAGCAGCTGC	2340
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ACACACCTGG	CCGGCCACCG	CGAGTCACCA	AGGACAAGGG	TCTTCCCTC	AGAACCCTGT	2460
CCCGGAACCT	GGTCAAGAAC	GCCAAGAAGA	CCATCGGGCG	GCAGCATGTC	ACTCGCAAGA	2520
AGTACAACCC	CCCCAGCTGG	GAGCACCAGG	GCCAGCCGCC	CCCTGAGGAC	CAGGAGGACG	2580
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CCTCCGACCG	CATGACCATG	AGCAGCCTGG	TGGAAAGGGC	TTGCTGTGCG	GACTACCAGC	2700
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TCCCCGTGGT	CTGCTGGCGC	AGCGGGCGGT	CCAAGGCGGT	GCTGCTGCGC	TCTGGAGGCC	2940
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CCCAGGCGGA	CTCGAGTAGC	CTGGAGCAGG	AGAAGTACCT	GCAGGCTGTG	GTGAGCTCCA	3060
TGCCCCGCTA	CGCCGACGCG	TCGGGACGCA	ACACGCTTAG	CGGCTTCTCC	TCAGCCCACA	3120
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GCCCTCCCGA	CCCGGGCTTC	CTGCGTCCGC	AGCGAGCAGC	CCTCTATATC	CTTGGGGACA	3300
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CAGGCTGCCC	CGCTGCTGAG	CCCAGCCCAG	CCTCCTTCCT	GCGCTCACTG	GAGGACTCAG	3480
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GCTACCACCA	TGTGTCCCGC	CGTTTCCGGA	CCTTCTGCT	CGACTCTGAC	TATGAGGCGA	3900
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ATGCGCCCGA	GGACGCAGAG	GTCTGCGGGC	CCTACGACAA	CGTGTCCAAC	CTGAAGGTGT	4080
GGGACTTCTA	CACTGAGGAG	ACGCTGGCCG	AGGCCCTCCC	TATGACTGGG	AACTGGCCCA	4140
GGGGCCCCCT	GAACCCCCAG	AGGAAGAACG	GTCTGATGGA	GGCGTCCCCA	GAGCAGCGCC	4200
GCGTGGTGTG	GCCCTGTTAC	GACAGCTGCC	CGCGGGCCCA	GCCTGACGCC	ATCTCACGCC	4260

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CCTTCATGAA	GCCTTGGAAG	GCCCCGCTGGT	TCGTGCTGGA	CAAGACCAAG	CACCAGCTGC	4680
GCTACTACGA	CCACCGTGTG	GACACAGAGT	GCAAGGGTGT	CATCGACTTG	GCGGAGGTGG	4740
AGGCTGTGGC	ACCTGGCACG	CCCACTATGG	GTGCCCCATA	GACTGTGGAC	GAGAAGGCCT	4800
TCTTTGACGT	GAAGACAACG	CGTCGCGTTT	ACAACTTCTG	TGCCCAGGAC	GTGCCCTCGG	4860
CCCAGCAGTG	GGTGGACCCG	ATCCAGAGCT	GCTGTGCGAC	GCCTGAGCCT	CCCAGCCCTG	4920
CCCGGCTGCT	CTGCTCTCGT	TACCGACCAC	TAGGGGTGGC	AGGGCCGCCC	CGGCCATGTT	4980
TACAGCCCCG	GCCCCPCACA	GTA CTGAGCC	CCGAGCCCCC	AGCACTTGTC	TGTACAGCCC	5040
CCGTCCCCGC	CCGCCCCGCG	CCGGCCGCGC	CTAACTTATT	TTGGCGTCAC	AGCTGAGCAC	5100
CGTGCCGGGA	GGTGGCOAAG	GTACAGCCCC	CAATGGGCCT	GTAAATAGTC	CGCCCCCGTC	5160
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CTAACGCCAA	AAAAAAA					5238

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GCGGGGGTGG	AGGACATCGA	CATCCAGGCG	AACTCGGCCCT	ATCGCTACCC	TCCGAAGTCC	180
GGAAACTACT	TTGCTTCGCA	CTTTTTTCATG	GGAGGAGAGA	AATTGACAC	CCCCCACCT	240
GAAGGTTACC	TCTTTGGAGA	GAACATGGAT	CTGAACCTCC	TGGGCAGCCG	CCCGGTCCAG	300
TTTCCCTACG	TCACTCCTGC	CCCCCACGAG	CCCGTGAAGA	CGCTGCGGAG	CCTGGTGAAC	360
ATCCGCAAAG	ACTCCCTGCG	GCTGGTGAGG	TACAAAGACG	ATGCCGACAG	CCCCACCGAG	420
GACGGCGACA	AGCCCCGGGT	GCTCTACAGC	CTGGAGTTCA	CCTTCGACGC	CGATGCCCGC	480
GTGGCCATCA	CCATCTACTG	CCAGGCATCG	GAGGAGTTCC	TGAACGGCAG	GGCAGTATAC	540
AGCCCCAAGA	GCCCCCTGCT	ACAGTCCGAG	ACCGTCCACT	ACAAGAGAGG	GGTGAGCCAG	600
CAGTTCTCCC	TGCCCTCCTT	CAAGATTGAC	TTCTCGGAAT	GGAAGGATGA	CGAGCTGAAC	660
TTTGACCTGG	ACCGGGGCGT	GTTTTCCAGTA	GTCATCCAGG	CTGTGGTGGA	CGAAGGAGAT	720
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GGCAGCTTCT	CTGTGAAGCC	TTTAAAGCAG	AAGCAAATTG	TGGACCGGGT	CAGCTACCTC	840
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GAGAACAGCG	ACAATAGCAA	CGAGTGTGTG	GTGTGCCCTGT	CCGACCTGCG	GGACACGCTG	960
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CGGAAGAAGC	CAGGAGCCCT	GTCCCCCGTG	TCCTTCAGCC	CCGTCCCTGGC	CCAGAGCCTG	1140
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CTCGCGGCTA	TCGACCACAT	CTGGACAGC	AGGCCCCAGA	AGGGCAGGCC	GCAGAGCAAG	1440
GCCCCCGACA	GCACCCATAG	GTCCTCGTCT	TCCCCCATCC	ACGAAGAGGA	TGAGGAGAA	1500
CTCTCCGAGG	ACGTGGACGC	CCCTCCCCCA	CTGGGTGGCG	CAGAGCTGGC	CCTGCGGGAA	1560
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CGTCCGCATC	CGCATCTTCC	CAGGGGCCCT	GGATTCCGAA	TCCAGAGCTC	TCCAGTGGCT	1920
GCTGCACCTT	CCCCCAGAAA	GTGGCTCCT	GATTGGTCTC	GACTTTCCGG	GCCAGAGGTC	1980
TCTCCATCTG	GACTAGGCGG	CCGGTCAGGC	TCTTCTTCCA	GCCTTGAGGG	GCCCTGGAAC	2040
AGTCCCAGCC	CAGGCAGGGA	GACAGACACA	GCCCAGGTGC	GCCAGAGCCA	CTGTCCACTG	2100
CGGGAGGCAG	GAGCTTGAGG	GATGAGGGCA	GCACCGTGGA	GGGAACCCCA	GGGAGACATG	2160
GGGTGAGCGT	CCCAAGGGGA	GAGGCCTGGG	CCTGGCCTTG	TTCCGGATGG	TCCCACCATG	2220
AGTTCCGATC	GGTCTGCGAG	CAGACACGTT	AGGACGCTCA	GCAGGTCCAC	TCCCGTGTTC	2280
CGGTCACTGG	TTTAAACAAT	CATGGGGAAA	GAATGCGCCC	CGATTGGGAG	AGCCCTGGA	2340
TCACGTCTTC	CCAAGCTCAG	TCCCTGTCTC	TTGGAGGGAG	TCCGTCTCTG	AGGGGCCCTC	2400
TGGTGCCAG	GGGAGAGTAT	CTTGCCTTCT	CTCCTGAGGG	CGTCCGCTCA	CACAGCCACC	2460
TGCTCCCCCG	CTCCCTCCTT	CCCTTGTGAG	CATGGCCACC	GTGGGCCTGG	CATCACCATG	2520
GGCCTGGCAC	ACAGTCCCTC	GTGGGCTGCC	TTTGTGCCAT	GAGCCCACTG	CTGCCGACTC	2580
ACCTGTCCCT	CCAGTACTG	GAACCTTCTG	GAACACCAGC	ACTAAAAGAT	AGGAGGCCCT	2640
GTGAGGTTGG	CATCCCCCAT	CCCCCCCCAA	GAGGTGCCCT	CTACCAGGCT	GGCCAGGTC	2700

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AGTGTTTTAC	AGAAGGCGGC	TCTGTCCAGG	CAGTGGTTTC	CACCTATAAG	CCCGGTACTT	2760
TGGGAGACCG	AGGGGATAGA	TCACTTGAGC	CCAGGAATTC	AAGATCAGTG	TAGAAAACAT	2820
AGACCCCTCT	TCTATAAAAA	ATAAAAAATT	GGCTTGGGCG	TGGTAGCTTG	TGCCTGTGGT	2880
CCCAGCTACT	CAGGGGTGCT	GAGGTGGGAG	GATTGCCGGA	GCTGGGGAGG	TCAAGGCCCCA	2940
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AGCCTGAGAC	CCTGTCTCAA	GAAAAAATAA	AATACACACA	CACACACACA	CACACACACA	3060
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CAAAATGTAG	GCAGACGGAT	TGGGGACCTT	CTGCCTTCCC	AGAGGGTCTT	GGCACACAAG	3180
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GTGCAGGCTC	TAAGAGGCCC	TTTCCCCTTG	GGTGGACTTG	AGCCGGGTCA	GGGAGAACTT	3300
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CGTATTTGGC	ACAGTTAGGG	AGTCCCCGGG	CCCTTGGTGT	GCTCACATCT	GAGTGAATGC	4140
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CCACCTGGCC	TCCACTTGGT	GGCCCCAGCC	CCGATCCCAG	CGCCGCCGAG	CTGACCCAC	4380
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CCCTTTTCTA	CAGTTGATAT	ATTTGTAAT	GGTACAAGAT	GAAGGACAGC	AGCTTTCCAT	4620
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CCCTGCGTGT	CAGTGTGGCG	GCCTGGCTGT	CGCTGCTTTT	TGTCCTCTGC	CGTGTGTCG	4920
CGGCCTCAGT	GCCCTCCCTG	GTCGCTCTGC	GCTGGGGCCC	TCAGTGCTCG	GGGCCTTGGE	4980
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ACCTCCTCCT	GCTGCTGGCT	TTGGTGACAT	CACAAGGCC	CTCCAGGTGC	AGGGGCTTCT	5160
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CTTCTGTGGC	AGGACTGGCC	CAGGGAGGAG	GAAGCCAGCA	GCACACCTGG	GGAAATGGGGT	5640
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GCTCGTGAC	AGGCACGCAG	ATGCGCTCAC	ACGTACACAC	ACACAAATGC	ACGCCCACTT	6060
GCACATGCTC	ACGCACACGT	TCACACATGC	ACACTCACGC	TCACACATGC	TGTCACGCAT	6120
ACACACACGC	ACATACTCCT	GCACATGTTT	CCATGCATGT	GTGTGCACTC	GGACCGAGCA	6180
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CAACACACAC	AGCCCCCTGC	ACCGCCCGCC	CCCCGCCCCC	ACCAAGGCC	CAGCCTCTGG	6300
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CTCCCATGTG	CTGCCGTCTG	ATGTGCTCAG	ATGGGCTCAT	CGTTGGTTTC	TTTTTACTGT	6420
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GCTTTTACAC	CAATTTATTC	TCCAGATATG	CCTTCACGGC	TTCCAATTCA	AGACATATTT	420
GCTGGACTGG	TTACAAGTAT	TGGCACTGCA	ATACGATATT	GGTTTCATTA	TACACTTGTG	480
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GCCCCACCGT	TCAATGCTGC	GGGGCATCAC	CAAAATGAGG	CTCCAGCAGG	AGGAAATGGT	780
GCAGAAAATG	TTGCTGCTGA	TCAGCCTGCT	AACCCACCAG	CTGAGAACGC	AGTGGTGGGG	840
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GATGACGCTG	GTGTGGAGGA	TGCGGCAGAT	GCTAATAACG	GAGCCCAGGA	TGACATGAAT	960
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TATATACTTT	TAGCAATAAC	ACTGATAATT	TGTCATGGCT	TGGCAACTCT	TGTGAAATTT	1260
CATAGATCTC	GTCGCTTACT	GGGAGTCTGC	TATATTGTTG	TTAAGGTCTC	TTTGTTAGTG	1320
GTGGTAGAAA	TTGGAGTATT	CCCTCTCAT	TGTGGTTGGT	GGCTGGATAT	CTGTTCCCTG	1380
GAAATGTTTT	ATGCTACTCT	GAAAGATCGA	GAAGTGAAGT	TTCAGTCGGC	TCCAGGTACT	1440
ACCATGTTTT	TGCATTGGCT	AGTGGGAATG	GTATATGTCT	TCTACTTTGC	CTCCTTCATT	1500
CTACTACTGA	GAGAGGTACT	TCGACCTGGT	GTCTGTGGT	TTCTAAGGAA	TTTGAATGAT	1560
CCAGATTCCA	ATCCAGTAGA	GGAAATGATC	CATTTGCCAA	TATATAGGCA	TCTCCGAAGA	1620
TTTATTTTGT	CAGTGATTGT	CTTTGGCTCC	ATTGCTCTCC	TGATGCTTTG	GCTTCCCTATA	1680
CGTATAATTA	AGAGTGTGCT	GCCTAATTTT	CTTCCATACA	ATGTCATGCT	CTACAGTGAT	1740
GCTCCAGTGA	GTGAAGTGT	CCTCGAGCTG	CTTCTGCTTC	AGGTTGTCTT	GCCAGCATTA	1800
CTCGAACAGG	GACACACGAG	GCAGTGGCTG	AAGGGGCTGG	TGCGAGCGTG	GACTGTGACC	1860
GCCGGATACT	TGCTGGATCT	TCATTCTTAT	TTATTGGGAG	ACCAGGAAGA	AAATGAAAC	1920
AGTGCAAATC	AACAAGTTAA	CAATAATCAG	CATGCTCGAA	ATAACAACGC	TATTCCTGTG	1980
GTGGGAGAAG	GCCTTCATGC	AGCCCAACAA	GCCATACTCC	AGCAGGGAGG	GCCTGTTGGC	2040
TTTCAGCCTT	ACCGCCGACC	TTTAAATTTT	CCACTCAGGA	TATTTCTGTT	GATTGTCTTC	2100
ATGTGTATAA	CATTACTGAT	TGCCAGCCTC	ATCTGCCTTA	CTTTACCAGT	ATTTGCTGGC	2160
CGTTGGTTAA	TGTCGTTTTG	GACGGGGGAT	GCCAAAATCC	ATGAGCTCTA	CACAGCTGCT	2220
TGTGGTCTCT	ATGTTTGCTG	GCTAACCATA	AGGGCTGTGA	CGGTGATGGT	GGCATGGATG	2280
CCTCAGGGAC	GCAGAGTGAT	CTTCCAGAAG	GTTAAAGAGT	GGTCTCTCAT	GATCATGAAG	2340
ACTTTGATAG	TTGCGGTGCT	GTTGGCTGGA	GTTGTCCCTC	TCCTTCTGGG	GCTCCTGTTT	2400
GAGCTGGTCA	TTGTGGCTCC	CCTGAGGGTT	CCCTTGGATC	AGACTCCTCT	TTTTTATCCA	2460
TGGCAGGACT	GGGCACTTGG	AGTCCTGCAT	GCCAAAATCA	TTGCAGCTAT	AACATTGATG	2520
GGTCCTCAGT	GGTGGTTGAA	AACTGTAATT	GAACAGGTTT	ACGCAAATGG	CATCCGGAAC	2580
ATTGACCTTC	ACTATATTGT	TCGTAAACTG	GCAGCTCCCG	TGATCTCTGT	GCTGTTGCTT	2640
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GACAAGTACC	TTGTGGGTCA	ACGACTCGTG	AACTACGAAC	GGAAATCTGG	CAACCAAGGC	2880
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CCCCACCC	ACACCCACAT	CCTCTCTTTT	CCACACACAA	CTATCTGTTT	ATTTTTTGT	3780
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TTGGCTGAGG	ACTAGGTGTG	CATTTCTCCT	AGCTTTTCAT	CAGGAAATCC	CAAAGTTTCC	4020
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GACACCAAGC	AGGTCTATTT	CTACCTCTTC	AAGCTACTGC	GGAAATGCAT	CCTGCAGATG	660
ACCCGGCCTG	TGGTGGAGGG	GTCCCTGGGC	AGCCCTCCAT	TTGAGAAACC	TAATATTGAG	720
CAGGGTGTGC	TGAACCTTGT	GCAGTACAAG	TTTAGTCACC	TGGCTCCCCG	GGAGCGGCAG	780
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CCTGCCAGT	TTCGGCAGAG	GTCTCAGGCT	GAGGACGTGG	CTACCTACAA	GGTCAATTAC	900
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GTGCCCAAGA	GCCGCTACCT	GGGCTACATC	AAGGACTACG	AGGGAGCGAC	GCTGATGGAG	1980
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ATTGACCTGA	AGACCATGAC	TGAGCGGCTG	CGAAGCCGCT	ACTACGTGAC	CCGGAAGCTC	2400
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GGCCTCATTG	ACAAGTAGGC	CCATCTTTGG	GCCCGCAGCC	TGACCTGGAA	TGTCTCCACC	2580
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ACACTCCAGC	CAAGGSTCCT	CCGGACCCGA	TCCTGCAGCT	CTTTCTGGAC	CTTCAGGCAC	2700
CCCCAAGCGT	GCAGCTCTGT	CCGAGCCTTC	ACTGTGTGTG	AGAGGTCTCC	TGGGTTGGGG	2760
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CAGGCGCTGGT	CCCCAAGAGC	TTTGGAGGCT	TGGATTCTCTG	GGCCTGGCCC	AGGTGGCTGT	2380
TTCCCTGAGG	ACCAGAAGTG	CTCATTTTAG	CTTGAGTGAT	GGCTTCAGGG	GTTGGAAGTT	2940
CAGCCCAAAC	TGAAGGGGGC	CATGCCTTGT	CCAGCACTGT	TCTGTCAGTC	TCCCCAGGG	3000
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TTTTTATTTT	TCTG					3074

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TGTG						6184

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ATCAATAGCA	AAGTTGACTC	CTGAGGCAGC	CAATCCTTTC	TTTAAGTTGT	TGACTATGCT	780
AATGGAGTTT	GCTGGTGGAC	CTCCAGGAAT	GCCTCCCTTT	GCACTTTATA	TTCTGCAGAG	840
GATATGGGAG	GTGATTGAAT	ACAATCCTTC	TCAGTGTCTA	GATTGGTTGG	CAGTGCAGAC	900
ACCCCGAAAT	AAACTGGCAC	ACAGCTGGGT	CTTACAGAAT	ATGGAAACTT	GGGTGAGCG	960
GTTTCTTTTG	GCTCACAATT	ATCCTAGAGT	GAGGACTTCT	GCAGCTTATC	TTCTGGTGTG	1020
CCTTATACCA	AGCAATTCAT	TCCGTCAGAT	GTTCCGGTCA	ACAAGGTCTT	TGCACATCCC	1080
AACCCGTGAC	CTTCCACTCA	GTCCAGACAC	AACAGTAGTC	CTACATCAGG	TCTACAACGT	1140
GCTCCTTGGT	TTGCTCTCAA	GAGCCAAACT	TTATGTTGAT	GCTGCTGTTT	ATGGCACTAC	1200
AAAGCTAGTG	CCCTATTTTA	GCTTTATGAC	TTACTGTTTA	ATTTCCAAAA	CTGAGAAGCT	1260
GATGTTTTTC	ACATATTTTC	TGGATTTGTG	GAACCTTTTC	CAGCCTAAAC	TTTCTGAGCC	1320
AGCAATAGCT	ACAAATCACA	ATAAACAGGC	TTTGCTTTCA	TTTTGGTACA	ATGTCTGTGC	1380
TGACTGTCCA	GAGAATATCC	GCCTTATTGT	TCAGAAACCA	GTGGTAACCA	AGAACATTGC	1440
CTTCAATTAC	ATCCTTGCTG	ACCATGATGA	TCAGGATGTG	GTGCTTTTTA	ACCGTGGGAT	1500
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ACAACTGGCT	TCTCACCAGA	ACATCCAGTG	GGCCTTTAAG	AATCTTACAC	CACATGCCAG	1620
CCAATACCCT	GGAGCAGTAG	AAGAAGTGT	TAACTGATG	CAGCTGTTTA	TAGCTCAGAG	1680
GCCAGATATG	AGAGAAGAAG	AATTAGAAGA	TATTAACAG	TTCAAGAAAA	CAACCATAAG	1740
TTGTTACTTA	CGTTGCTTAG	ATGGCCGCTC	CTGCTGGACT	ACTTTAATAA	GTGCCTTCAG	1800
AATACTATTA	GAATCTGATG	AAGAAGACT	TCTTGTGTGA	TTTAATCGAG	GATTGATTCT	1860
AATGACAGAG	TCTTTCAACA	CTTTGCACAT	GATGTATCAC	GAAGCTACAG	CTTGCCATGT	1920
GACTGGAGAT	TAGTAGAAG	TTCTGTCAAT	ATTTCTTTTC	GTTTTGAAGT	CTACACGCCC	1980
TTATCTTCAG	AGAAAAGATG	TGAAACAAGC	ATTAATCCAG	TGGCAGGAGC	GAATTGAATT	2040
TGCCCCATAA	CTGTAACTC	TTCTTAATTC	CTATAGTCCT	CCAGAACTTA	GAAATGCCTG	2100
TATAGATGTC	CTCAAGGAAC	TTGTACTTTT	GAGTCCCAT	GATTTTCTTC	ATACTCTGGT	2160
TCCCTTTCTA	CAACACAACC	ATTGTACTTA	CCATCACAGT	AATATAACCA	TGTCTCTTGG	2220
ACCTTATTTT	CCTTGTGCGG	AAAATATCAA	GCTAATAGGA	GGGAAAAGCA	ATATTCCGCC	2280
TCCGCGCCCT	GAACCTCAAT	TGTGCCTCTT	CCCCACAATG	GTGGAAACCA	GTAAGGGCAA	2340
AGATGACGTT	TATGATCGTA	TGCTGCTAGT	TACTTCTTTT	TCTTATCATC	AGTTTCATCCA	2400
TCTATTATGC	CGAGTTGCAA	TCAAATGTGA	AAAAATTTACT	GAAACATTAG	TTAAGCTGAG	2460
TGTCCTAGTT	GCCTATGAAG	GTTTGCCACT	TCATCTTGCA	CTGTTCCCCA	AACTTTGGAC	2520
TGAGCTATGC	CAGACTCAGT	CTGCTATGTC	AAAAAACTGC	ATCAAGCTTT	TGTGTGAAGA	2580
TCCTGTTTTT	GCAGAATATA	TTAAATGTAT	CCTAATGGAT	GAAAGAACTT	TTTTAAACAA	2640

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CAACATTGTC TACACGTTCA TGACACATTT CCTTCTAAAG GTTCAAAGTC AAGTGTTTTT 2700
 TGAAGCAAAC TGTGCCAATT TGATCAGCAC TCTTATTACA AACTTGATAA GCCAGTATCA 2760
 GAACCTACAG TCTGATTTCT CCAACCGAGT TGAAATTTCC AAAGCAAAGT CTTCTTTTAA 2820
 TGGGGACCTG AGGGCACTCG CTTTGCTCCT GTCAGTACAC ACTCCCAAAC AGTTAAACCC 2880
 AGCTCTAATT CCAACTCTGC AAGAGCTTTT AAGCAAATGC AGGACTTGTC TGCAACAGAG 2940
 AAACCTCACTC CAAGAGCAAG AAGCCAAAGA AAGAAAAACT AAAGATGATG AAGGAGCAAC 3000
 TCCCATTAAA AGGCGGCGTG TTAGCAGTGA TGAGGAGCAC ACTGTAGACA GCTGCATCAG 3060
 TGACATGAAA ACAGAAACCA GGGAGGTCCT GACCCCAACG AGCACTTCTG ACAATGAGAC 3120
 CAGAGACTCC TCAATTATTG ATCCAGGAAC TGAGCAAGAT CTTCTTCCC CTGAAAATAG 3180
 TTCTGTTAAA GAATACCGAA TGGAAAGTTC ATCTTCGTTT TCAGAAGACA TGTCAAATAT 3240
 CAGGTCACAG CATGCAGAAG AACAGTCCAA CAATGGTAGA TATGACGATT GTAAAGAATT 3300
 TAAAGACCTC CACTGTTCCA AGGATTCTAC CCTAGCTGAG GAAGAATCTG AGTTCCCTTC 3360
 TACTTCTATC TCTGCAGTTC TGTCTGACTT AGCTGACTTG AGAAGCTGTG ATGGCCAAGC 3420
 TTTGCCCTCC CAGGACCCTG AGGTTGCTTT ATCTCTCAGT TGTGGCCATT CCAGAGGACT 3480
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 AATCCATGTC GTCACAAGGA TATCTGGCAA AGGAAACCAA GCTGCTTCTT GACATTAGGT 3600
 GTAGCATGTC TACTTTTAAAG TCCCTCACCC CCAACCCCA TGCTGTTTGT ATAAGTTTGT 3660
 CTTATTTGTT TTTGTGCTTC AGTTTGTCCA GTGCTCTCTG CTTGAATGGC AAGATAGATT 3720
 TATAGGCTTA ATTCTGGTTC AGGCAGAACT CCAGATGAAA AAAACTTGCA TCTTCAGTAT 3780
 ACTTCCTAAA GGGCAATCAG ATAATGGATA TGTTTTATGT AATTAAGAGT TCACTTTAGT 3840
 GGCTTTCATT TAATATGGCT GTCTGGGAAG AACAGGGTTG CCTAGCCCTG TACAATGTAA 3900
 TTTAACTTA CAGCATTTT ACTGTGTATG ATATGGTGTG CTCTGTGCCA GTTTTGTACC 3960
 TTATAGAGGC AGATTGCCTT CGATCGCTGT GGTTCCTTAT ATCAAATTA AGTTTACTTG 4020
 TATACGGAAC AACCACAAGA AATTTGATTC TGTAAGAAT CCTCTTTAGC TGTGGCCTGG 4080
 CAGTATATAA ATGGTGCTTT ATTTAACAGA ATACCTGTGG AGGAAATAAA GCACACTTGA 4140
 TGT 4143

Name: 269

Len: 1605 Check: 1799

AATGCCGAGA GGATGGAGAG CATCCTGCAG GCACTGGAGG ATATTGAGCT GGATCTGGAG 60
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 CGAAGACCTT TCCTGGAGCG CAGAGACCTC ATCATCCAGC ATATCCCAGG CTTCTGGGTC 180
 AAAGCATTCC TCAACCACCC CAGAATTTCA ATTTTGATCA ACCGACGTGA TGAAGACATT 240
 TTCCGCTACT TGACCAATCT CGAGGTACAG GATCTCAGAC ATATCTCCAT GGGCTACAAA 300
 ATGAAGCTGT ACTTCCAGAC TAACCCCTAC TTCACAAACA TGGTGATTGT CAAGGAGTTC 360
 CAGCGCAACC GCTCAGGCCG GCTGGTGTCT CACTCAACCC CAATCCGCTG GCACCGGGGC 420
 CAGGAACCCC AGGCCGCTCG TCACGGGAAC CAGGATGCGA GCCACAGCTT TTTGAGCTGG 480
 TTCTCAAACC ATAGCCTCCC AGAGGCTGAC AGGATTGCTG AGATTATCAA GAATGATCTG 540
 TGGGTTAACC CTCTACGCTA CTACCTGAGA GAAAGGGGCT CCAGGATAAA GAGAAAGAAG 600
 CAAGAAATGA AGAAACGTAA AACCAGGGGC AGATGTGAGG TGGTGATCAT GGAAGACGCC 660
 CCTGACTATT ATGCAGTGA AGACATTTT AGCGAGATCT CAGACATTGA TGAGACAATT 720
 CATGACATCA AGATCTCTGA CTTCTATGGAG ACCACCGACT ACTTCGAGAC CACTGACAAT 780
 GAGATAACTG ACATCAATGA GAACATCTGC GACGCGAGA ATCTTGACCA CAATGAGGTC 840
 CCCAACAACG AGACCACTGA TAACACGAG AGTGCTGATG ACCACGAAAC CACTGACAAC 900
 AATGAGAGTG CAGATGACAA CAACGAGAT CCTGAAGACA ATAACAAGAA CACTGATGAC 960
 AACGAAGAGA ACCCTAACAA CAACGAGAAC ACTTACGGCA ACAACTTCTT CAAAGGTGGC 1020
 TTCTGGGGCA GCCATGGCAA CAACAGGAC AGCAGCGACA GTGACAATGA AGCAGATGAG 1080
 GCCAGTGATG ATGAAGATAA TGATGGCAAC GAAGGTGACA ATGAGGGCAG TGATGATGAT 1140
 GGCAATGAAG GTGACAATGA AGGCAGCGAT GATGACGACA GAGACATTGA GTACTATGAG 1200
 AAAGGTATTG AAGACTTTGA CAGGGATCAG GCTGACTACG AGGACGTGAT AGAGATCATC 1260
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 TATGAGGAAG GAAACTATGA GGAGGAAGGA AGTGAAGATG TCTGGGAAGA AGGGGAAGAT 1380
 TCGGACGACT CTGACCTAGA GGATGTGCTT CAGGTCCCAA ACGGTTGGGC CAATCCGGGG 1440
 AAGAGGGGGA AAACCGGATA AGGGTTTTCC CTTTTTGGGG ATCACCTCTC TGTATCCCCC 1500
 ACCCACTATC CCATTTGCCC TCCTCCTCAG CTAGGGCCAC GCGGACCCAC ATTGCACTTC 1560
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Name: 27

Len: 421 Check: F84

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 TATGCAAGTC CAAAATATGA AGGTATGTTT AACTGCCACA TTCACTCGAA GCCCATTAT 180
 CTCCTTCAGC ATCCCAATGA AGTACACGAT CTGCTTAGCT AAATAAGGTG GCACACGCGC 240
 TGCACCGCTG ACATCACAGG ACAGTTGCCT ATAAACTAG ACTTCTGACC GCAGGGCTCC 300
 AGCTTCACTT TCTCACAGGT CATCATCCTC ATCTNNGGAG AGCAGTCGTC TGGAGCAACC 360
 TCTAAATCA TGCTCGTACT TGTGCTGGCC AAAGCTGGGG TCCATGACCA CNTCCAGGTG 420
 N 421

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Name: 270 Len: 2488 Check: 1BC6

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GCTCCTTACA	AGAAGGATGA	GAACAAGTTG	AGCAGTGCCA	ACGGCCATGA	AGAACGTAGC	120
AAAAAGAGGA	AAAAAAGCAA	GAGCAGAAGT	CGTAGTCATG	AACGAAAGAG	AAGCAAAAGT	180
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CGAAGTAGAA	GCAAAGAGAG	GCGACGGAGC	CGCTCAAGAA	GTCGAGATCG	AAGATTTAGA	300
GGCCGCTACA	GAAGTCCTTA	CTCCGGACCA	AAATTTAACA	GTGCCATCCG	AGGAAAGATT	360
GGGTTGCCTC	ATAGCATCAA	ATTAAGCAGA	CGACGTTCCC	GAAGCAAAAG	TCCATTTCAGA	420
AAAGACAAGA	GCCCTGTGAG	AGAACCTATT	GATAATTTAA	CTCCTGAGGA	AAGAGATGCA	480
AGGACAGTCT	TCTGTATGCA	GCTGGCGGCA	AGAATTCGAC	CAAGGGATTT	GGAAAGAGTTT	540
TTCTCTACAG	TAGGAAAGGT	TCGAGATGTG	AGGATGATTT	CTGACAGAAA	TTCAAGACGT	600
TCCAAAGGAA	TTGCTTATGT	GGAGTTCGTC	GATGTTAGCT	CAGTGCCCTCT	AGCAATAGGA	660
TTAACTGGCC	AACGAGTTT	AGGCGTGCCA	ATCATAGTAC	AGGCATCACA	GGCAGAAAAA	720
AACAGAGCTG	CAGCAATGGC	AAACAATTTA	CAAAAGGGAA	GTGCTGGACC	TATGAGGCTT	780
TATGTGGGCT	CATTACACTT	CAACATAACT	GAAGATATGC	TTCGTGGGAT	CTTTGAGCCT	840
TTTGGAAAGAA	TTGAAAGTAT	CCAGCTGATG	ATGGACAGTG	AAACTGGTCG	ATCCAAGGGA	900
TATGGATTTA	TTACATTTTC	TGACTCAGAA	TGTGCCAAAA	AGGCTTTGGA	ACAACTTAAT	960
GGATTTGAAC	TAGCAGGAAG	ACCAATGAAA	GTTGGTCATG	TTACTGAACG	TACTGATGCT	1020
TCGAGTGCTA	GTTCAATTTT	GGACAGTGAT	GAAGTGGAAA	GGACTGGAAT	TGATTTGGGA	1080
ACAACCTGGT	GTCTTCAGTT	AATGGCAAGA	CTTGACAGAG	GTACAGGTTT	GCAGATTCCG	1140
CCAGCAGCAC	AGCAAGCTCT	ACAGATGAGT	GGCTCTTTGG	CATTTGGTGC	TGTGGCAGAA	1200
TTCTCTTTTG	TTATAGATTT	GCAAACAAGA	CTTTCCCAGC	AGACTGAAGC	TTGAGCTTTA	1260
GCTGCAGCTG	CCTCTGTTCA	GCCACTTGCA	ACACAATGTT	TCCAACCTCT	TAACATGTTT	1320
AACCCTCAAA	CAGAAGAAGA	AGTTGGATGG	GATACCGAGA	TTAAGGATGA	TGTGATTGAA	1380
GAATGTAATA	AACATGGAGG	AGTTATTTCAT	ATTTATGTTG	ACAAAAATTC	AGCTCAGGGC	1440
AATGTGTATG	TGAAGTGCCC	ATCAATTGCT	GCAGCTATTG	CTGCTGTCAA	TGCATTGCAT	1500
GGCAGGTGGT	TTGCTGGTAA	AATGATAACA	GCAGCATATG	TACCTCTTCC	AACTTACCAC	1560
AACCTGTTTC	CTGATTCTAT	GACAGCAACA	CAGCTACTGG	TTCCAAGTAG	ACGATGAAGG	1620
AAGATATAGT	CCCTTATGTA	TATAGCTTTT	TTTCTTTCTT	GAGATTCAT	CTTGAGTTAT	1680
CTTTTATTTA	GATAAAAAATA	AAGAGGCAAG	GATCTACTGT	CATTTGTATG	CAATTTCCCTG	1740
TTACCTTGAA	AAAATAAAAA	TGTTAACAGG	AATGTCAGTGT	GCTCATTTCT	CCTAAATAGT	1800
AAATCCCAGT	GTATACAAAA	CTGTTCTCTT	GTCTTGCTCT	TTAAATGTTT	CATGTAGAAA	1860
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CAGGGATGTA	ATGTTTTTTAA	TGTTTCAGAA	GCCTAACTTT	TTACACAGTG	GTTACATTTT	1980
ACATTTCACT	AATGTTGATA	TTTGGCTGAT	GGTTGAGCAG	TTTCTGAAAT	ACACATTTAG	2040
TGTATGGAAA	TACAAGACAG	CTAAAGGGCT	GTTTGGTTAG	CATCTCATCT	TGCATTCTGA	2100
TCAATTGGCA	AGAAAGGGAG	ATTTCAAAAT	TATATTTCTT	GATGGTATCT	TTTCAATTAA	2160
TGTATCTGTA	AAAGTTTCTT	TGTAATAACT	ATGTGTTCTG	GTGTGTCTTA	AAATTCCTAA	2220
CAAAATGATC	CCTGCATTTT	CTGAAGATGT	TTAAACGTGA	GAGTCTGGTA	GGCAAAGCAG	2280
TCTGAGAAAG	AAATAGGAAA	TGCAGAAATA	GGTTTTGTCT	GGTTGCATAT	AATCTTTGCT	2340
CTTTTAAAGC	TCTGTGAGCT	CTGAAATATA	TTTTTGGGTT	ACTTCAGTGT	GTTTGACAAG	2400
ACAGCTTGAT	ATTTCTATCA	AACAAATGAC	TTTCATATTG	CAACAATCTT	TGTAAGAACC	2460
ACTCAAATAA	AAGTCTCTTA	AAAAGGCC				2488

Name: 271 Len: 1769 Check: 15BD

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GTGTTGTGTT	TTTTAAAAGA	TGCATAATAG	CTGAATGTAT	GCATGACTTT	GAAAGAGTT	180
AAAATGGTGA	TTTTTTTTCA	CCTCTGTAT	ATTTTAAAC	CAGGCCAAAT	CTATTTGCCA	240
AGCAGTGAT	CACATAAAG	AAAAGCAGTT	TTTCCTTTTA	TTGCAGTTTT	TGTTTATCTG	300
CCATAGAATT	TCTTATACT	GTGGCTTGTT	ATTATTCAG	ATTAGCTATT	TCGCTGGTAT	360
TACATCTTTT	TAAAAGCCTA	TTATAACATG	GTTAGCCTAT	AAGGCAGTGT	TGGTCCCTT	420
CTAATATTGG	CCTCATAAAG	GGGTTCCTCT	GTAATTTCCG	CATATTACTG	TGTTGTTGTT	480
TTCTTTTGTG	GATATATAAG	CAAAATGAGC	TTGGGTGATT	TTTATGGAGA	CAATAATTAG	540
ACAATACTGT	ATAATTAGTT	TTACTTAATA	GATTATCATC	TTGTGAGAAG	AGATGTTTAA	600
ACGTGGTAAA	TCACCTTCATA	TTACAAAACA	GTTTTACACT	TAATATGTTA	ACATTGGGTG	660
CAATAATTTA	GTAGCATTAG	CTTAGATTAC	AAATATAACT	GGATCTTTCT	GCTGACAACT	720
TAGTTTGTAT	GAGTTATGCT	TAAAAGCTTT	AAATCTGATG	TTTCCTGTAC	CTGCCACACT	780
ATGTTAGAAT	GTGTCCTTCA	AACATATCCT	CCTGCAACTT	CTCAAACTGT	ACTAAATTGA	840
TATTTCTTGA	AGTCTAACTC	TGTGCTAACA	GATCTCCATT	TTAAATAGAA	TACGGTTTTA	900
ATTTTGTGATA	AGCTGCTGAA	TTTTAAAGAG	AGTTTTTTGG	GGCCACCAA	TATTTTGGAT	960
CATGCAGAGA	ATATATATTG	TACTGTAGTA	ATTTTGTATT	TACATTTGTA	TGATGTGACA	1020
TAATAGATGT	GAATGTTAAT	CACTGCTTGA	CTATGTTAAT	AAAGTTGTTT	AACTATAAAA	1080
AAAAAAAAAA	ACCCACGCGT	CCTTCAGATC	AATCCATCTA	TGCAAATTTA	TGGGGAAAAA	1140

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TTGTTTTTTTA	AATTAAATTT	CCAATACCCA	AGCCCTAAAA	TTGATGGATG	TGACCCAGG	1200
TGTTCCCTTT	ACCTCTTGGC	CCCCCAAAC	AGGGACAGAC	ATAGATGGTG	GGCTGGAACA	1260
CCCCTCACCT	CCTGTATTCC	CAGAAAGCCT	CGCGTTGAGG	TGTGTTGGCC	AGCTCCCTAG	1320
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GCAGGCAGTG	TTAGATCAGA	CCCAGACCTT	CTCATCCAC	CCTCATCACA	TCGGGGAGAG	1440
GGGACTCCAG	GGGCGGGAAG	GCAGGCCTCC	CTCCATTGCG	CCAGGGTGGG	CGGCGAGGAG	1500
GGGGTCACTC	TGCAGGAACA	CTGAGCTCTG	AACACCTCTC	GCGTGCTGCC	TGCCTCACAC	1560
CCTCTGCATT	CGCTGTTTCC	TCTGTGGGG	GAGGGGGTTT	GTGAGGGGAA	TATTAGATTA	1620
CACCTTGTC	TTTGGAAAGC	CCCGTGTCTC	CGGCGGCCAC	AGCGAGGTTG	GGGGGGTGGT	1680
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Name: 272

Len: 5541

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3F4

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ATTATGATCG	CTGTATCAAT	GACCCCTTACC	TGGAAGTTTT	GGAGACCATG	GATAATAAGA	240
AAGGTCCGAG	ATATGAGGCG	GTAAGTGGA	TGGTGGTGTT	TGCCATTGGA	GTCTGCACTG	300
GCCTGGTGGG	TCTCTTTGTG	GACTTTTTTG	TGCGACTCTT	CACCCAACTC	AAGTTCCGAG	360
TGGTACAGAC	ATCGGTGGAG	GAGTGCAGCC	AGAAAGGCTG	CCTCGCTCTG	TCTCTCCTTG	420
AACTCCTGGG	TTTTAACCTC	ACCTTTGTCT	TCCTGGCAAG	CCTCCTTGTT	CTCATTGAGC	480
CGGTGGCAGC	AGGTTCCGGG	ATACCCGAGG	TCAAATGCTA	TCTGAATGGC	GTAAAGGTGC	540
CAGGAATCGT	CCGTCTCCGG	ACCCTGCTCT	GCAAGGTCCT	TGGAGTGCTG	TTCAGTGTGG	600
CTGGAGGGCT	CTTCGTGGGG	AAGGAAGGCC	CCATGATCCA	CAGTGGTTCG	GTGGTGGGAG	660
CTGGCCTCCC	TCAGTTTCAG	AGCATCTCCT	TACGGAAGAT	CCAGTTTAAC	TTCCCTATT	720
TCCGAAGCGA	CAGAGACAAG	AGAGACTTTG	TATCAGCAGG	AGCGGCTGCT	GGAGTTGCTG	780
CAGCTTTCGG	GGCGCCAATC	GGGGGTACCT	TGTTTCACTCT	AGAGGAGGGT	TCGTCTCTCT	840
GGAAACCAAG	GCTCACGTGG	AAAGTGCTCT	TTTGTTCAT	GTCTGCCACC	TTCACCTCA	900
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TCTACCCGCA	CACCCGCTCG	CAGTCTCTGG	TGAGCATCCT	GCGCACCACG	GTCCACCATG	1920
CCTTCCCGGT	GGTCACAGAG	AACCGCGGTA	ACGAGAAGGA	GTTTATGAAG	GGCAACCAGC	1980
TCATCAGCAA	CAACATCAAG	TTCAAGAAAT	CCAGCATCCT	CACCCGGGCT	GGCGAGCAGC	2040
GCAAACGGAG	CCAGTCCATG	AAGTCTTACC	CATCCAGCGA	GCTACGGAAC	ATGTGTGATG	2100
AGCACATCGC	CTCTGAGGAG	CCAGCCGAGA	AGGAGGACCT	CCTGCAGCAG	ATGCTGGAAA	2160
GGAGATACAC	TCCCTACCCC	AACTTATACC	CTGACCAGTC	CCCAAGTGAA	GACTGGACCA	2220
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CCCTGCTTGT	CCGAGGAGTT	TGTTACTCTG	AAAGCCAGTC	GAGCGCCAGC	CAGCCGCGCC	2340
TCTCCTATGC	CGAGATGGCC	GAGGACTACC	CGCGGTACCC	CGACATCCAC	GACCTGGACC	2400
TGACGCTGCT	CAACCCGCGC	ATGATCGTGG	ATGTACACCC	ATACATGAAC	CCTTCGCTTT	2460
TCACCGTCTC	GCCCAACACC	CACGTCTCCC	AAGTCTTCAA	CCTGTTTACA	ACGATGGGCC	2520
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CCAGCCCACC	CTCTCCTGGT	GCTGCTTGGG	GAGGCAAATC	ATGCTCACTC	CGGCGGGCAC	2700
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CTTGGACTTT	TCTGACTTCC	CCAGCAAGGA	TCTTCCCCT	TCCTGCTCCC	TGTGTCCCA	2880
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TCAGGCGGGC	CCCGGGCTGC	ACTCCGAGCA	GTGTTCTGG	CCATCTTTGC	TACTTTCCCTA	3000
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GATGCCAGTG ACAACATACA GTTCATGACT AGGTTTAGGA ATTGGGCACT GAGAAAATTC 3120
 TCAATATTTT AGAGAGTCCT TCCCTTATTT GGGACTCCTA ACACGGTATC CTCGCTAGTT 3180
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Name: 28	Len: 426	Check: 122C				
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CTCCATTATT	CAGCTATACC	CTGGAGGAGG	ACCTGTTTCGG	GCAGCAACAG	CATGTTTTGG	840
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Len: 3962

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Name: 283

Len: 1687

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82D

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GCTCAGGTAC	CTGACAATGA	TGAGCAGTTT	GTACCAGACT	ATCAGGCTGA	AAGTTTGGCT	240
TTTCATGGCC	TGCCACTGAA	AATCAAGAAA	GAACCCACAC	GTCCATGTTT	AGAAATCAGC	300
TCTGCCTGCA	GTCAAGAACA	GCCCTTTTAA	TTTCACTATG	GAGAAAAGTC	CCTGTACAA	360
GTCAGTGCCT	ATGATCAGAA	CCCACAAGTG	GGAATGAGGC	CCTCCAACCC	CCCCACACCA	420
TCCAGCACGC	CAGTGTCCCC	ACTGCATCAT	GCATCTCCAA	ACTCAACTCA	TACACCGAAA	480
CCTGACCGGG	CCTTCCCAGC	TCACCTCCCT	CCATCGCAGT	CCATACCAGA	TAGCAGCTAC	540
CCCATGGACC	ACAGATTTTG	CCGCCAGCTT	TCTGAACCCCT	GTAACCTCCT	TCCTCCTTTG	600
CCGACGATGC	CAAGGGAAGG	ACGTCCTATG	TACCAACGCC	AGATGTCTGA	GCCAAACATC	660
CCCTTCCCAC	CACAAGGCTT	TAAGCAGGAG	TACCACGACC	CAGTGTATGA	ACACAACACC	720
ATGGTTGGCA	GTGCGGCCAG	CCPAAAGCTT	CCCCCTCCTC	TGATGATTAA	ACAGGAACCC	780
AGAGATTTTG	CATATGACTC	AGAAGTGCCCT	AGCTGCCACT	CCATTTATAT	GAGGCAAGAA	840
GGCTTCCTGG	CTCATCCCAG	CAGAACAGAA	GGCTGTATGT	TTGAAAAGGG	CCCCAGGCAG	900
TTTTATGATG	ACACCTGTGT	TGTCCCAGAA	AAATTCGATG	GAGACATCAA	ACAAGAGCCA	960
GGAATGTATC	GGGAAGGACC	CACATACCAA	CGGCGAGGAT	CACTTCAGCT	CTGGCAGTTT	1020
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CACATCAACG	AGGAGGACAC	AGTGCCCTCT	TCTCACTTTG	ATGAGAGCAT	GGCCTACATG	1380
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TGACAGTCAA	GCAGGGCGTT	TTTTGCGCTT	TTCTTTTTTT	CTGCAAGATA	CAGAGAATTG	1500
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GGGCTTTTCC	TGTTGCATTA	TTCTATGGTC	TGCCATGGAC	TGTGCACTTT	ATTTGAGGGT	1620
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GCTCCGGCCG	CGGCGCCCGC	GCCCCGCCGC	CCCGCCGCCC	TCGCGCGCGG	GCCCCCGGCC	300
CGGCCCGGCC	CGACCCGGGC	AGCGCAGCGG	CGGGGCGAGC	GGCGGCGCGG	CAACATGGCG	360
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TGCGATGCCT	GCAAGGACTG	GTTCCACGGC	AGCTGTGTTG	GGGTGGAAGA	GGAAGAGGCA	480
CCAGACATCG	ACATTTACCA	CTGCCCGAAC	TGCGAGAAAA	CCCATGGCAA	GTCCACACTC	540
AAGAAAAAGC	GGACTTGCCA	CAAAACCGGC	CCTGGGCCAA	CACCGGACGT	GAAACCAAGT	600
CAGAATGGCA	GTCAGCTGTT	CATCAAGGAG	CTCGGAGGCC	GAACCTTCCC	CAGTGTGAA	660
GACGTGGTGT	CCCGTGTGCC	AGGTAGCCAG	CTCACCTGGG	GCTACATGGA	GGAGCATGGC	720
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AGCACCAACC	GCAAGCGGGT	CCTCAACGTC	ACCAACCTCG	AGTTCCTGTA	CACCCGAATG	960
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CCAGATGATG	CATTGCTGGC	CAAGCCCCAA	GTGACCAAGT	ACTGCCTAAT	CTGCGTGAAG	1080

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GATTCTGCGG	TGTACAAGAG	CGATGACTCC	TCTGACGAGG	GCTCTCTGCA	CATCGACACG	2580
GACACCAAGC	CAGGCAGAAA	TGCCAAAGTG	AAGAAGGAGA	GTGGGAGCTC	CGCGGCCGGC	2640
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TCACTGGCAG	CCCATGGTGC	CCGGAAGATT	GGTGGTGGCA	ACAAAGGCAC	AGGCAAGCGC	2880
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TCCCCCAACA	ACACTGCTGC	CAAAGGAAAA	CTTACAAAAA	AGGGCATGGC	CACCGCCAAG	3600
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AGATGTGACA	AGGCTGCCCT	CTCCTACATC	CCCCTTCTCA	TCTCTTTCCC	AAGACCAGGC	720
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 GAGAAAGAAG GAGATTTCCA AGATTCTGAG AAGTTCTGCT CTCAGGGGGA TGAATTTGGC 1080
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 CGGCAGTGTG ATCAGAGCCA GCCGCGTGT CGTGGCAGTG ACGCTGTATG GGGCTGTGCG 1200
 GCTGACGGTT ACCCTCTTCT TCCCCTCAGC CATTGAGAGG GTGTCAGAG CAATCGTCAG 1260

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CATCCGAAGA ATCCAGACCT TTTTGCTACT TGATGAGATA TCACAGCGCA ACCGTCAGCT 1320
 GCCGTCAGAT GGTAAGAAAGA TGGTGCATGT GCAGGATTTT ACTGCTTTTT GGGATAAGGC 1380
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 GATTCTGATA TTGAAAGATG GTAAATGGT GCAGAAGGGG ACTTACACTG AGTTCCTAAA 1980
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 CGTTGCCTTT GGGTCCCTGA TCTGGCAAA AACTCTGGAT GCCGGGCAGG TTGGTTTGGC 3060
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 AGCACCTTGG GAATATCAGA AACGCCACC ACCAGCCTGG CCCCATGAAG GAGTGATAAT 3240
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 GACAGCACTG TGAATCCAAC CAAAATGTCA AGTCCGTTCC GAAGGCATTT TCCACTAGTT 4140
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Name: 288

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EBC

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 TCCGTTGAAG GCGCGGCCCC CGCTCCGGA CCCCCGGGA CCACCCGTA ACAACCCGCC 240
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 CCGGATGGGC AGCTGAGGAT TGCTTTTGG GTTATTTTAA AAGTTTGGAG TTGTACAGCA 360
 CTTGATTATT TTGCTGCATT GTGAAAGGAC CTCTCCAGCA ATGATTACTT CAGAATTACC 420
 AGTGTTACAG GATTCAACTA ATGAAACTAC TGCCCATTC GATGCTGGCA GCGAGCTTGA 480
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 TAAGAAACCT CGAAATCTC CAGGTGAGAA GAGCAGAATT GAAGCTGGAA TTAGAGGAGC 600
 AGGCCGTGGA AGAGCTAATG GACACCCTCA ACAGAATGGG GAAGGGGAGC CTGTCACATT 660
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CATCAGAAAA	ATGACTGAAG	AATTTGATGA	GGACAGTGGT	GATTATCCTC	TTACCATGCC	900
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GAAGCTCATG	ACTGCTCTGG	TGAATGTGTC	CTTAAACCTC	AGTATTCATC	AGGATAATAC	1140
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GGAGTTACTA	CTTCAGAAAC	GCAAAGAGCT	GCAAGAAAT	CAGGATGAAA	TCGAAATAT	1260
GATGAACCTC	ATTTTAAAG	GTATATTGT	TCATAGATAC	CGTGATGCTA	TTGCTGAGAT	1320
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GCTGAAGTGT	TTGAAAGCTC	TGCAGAGTCT	ATATACCAAT	AGAGAATTAT	TCCCCAAATT	1500
GGAACTATTC	ACTAACCAGT	TCAAGGATCG	CATTGTATCA	ATGACACTTG	ATAAAGAATA	1560
TGATGTTGCT	GTGGAAGCTA	TTCGATTGGT	TACTCTGATA	CTTCATGGAA	GTGAAGAAGC	1620
TCTTTCCAAT	GAAGACTGTG	AAAATGTTTA	CCACTTGGTG	TACTCGGCAC	ATCGCCCTGT	1680
TGCTGTGGCA	GCTGGAGAGT	TCCTTCACAA	AAAGCTATTT	AGCAGACATG	ACCCACAAGC	1740
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CGGCAAGAGA	GTGCTAACTG	CCAAAGAAAG	GAAAACCTCA	ATTGATGATA	GAAACAAATT	2100
GACTGAACAT	TTTATTATTA	CACCTCCTAT	GTTACTGTCA	AAGTATTCTG	CAGATGCAGA	2160
GAAGGTAGCA	AACTTGCTAC	AAATCCCA	GTATTTTGAT	TTAGAAATCT	ACAGCACAGG	2220
TAGAATGGAA	AAGCATCTGG	ATGCTTTATT	AAAACAGATT	AAGTTTGTG	TGGAGAAACA	2280
CGTAGAATCA	GATGTTCTAG	AAGCCTGCAG	TAAACCTAT	AGTATCTTAT	GCAATGAAGA	2340
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TCGATTCAAT	CATTCTGTGG	AAGACCTATT	GCAAGAGGGA	GAAGAAGCTG	ATGATGATGA	2460
CATTTACAAT	GTTCTTTCTA	CATTAAAGCG	GTTAACTTCT	TTTCAGAAATG	CACATGATCT	2520
CACAAAATGG	GATCTCTTTG	GTAATTGCTA	CAGATTATTG	AAGACTGGAA	TTGAACATGG	2580
AGCCATGCCA	GAACAGATAG	TCGTGCAAGC	ACTGCAGTGT	TCCATTATT	CGATTCTTTG	2640
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GAAAGAACAG	GCTTTCATGT	TACTCTGTGA	TCTTCTGATG	ATTTTCAGCC	ACCAATTAAT	2820
GACAGGTGGC	AGAGAGGGCC	TTCAGCCTTT	GGTGTTCAT	CCAGATACTG	GACTCCAATC	2880
TGAACCTCTC	AGTTTGTGA	TGGATCACGT	TTTTATTGAC	CAAGACGAGG	AGAACCAGAG	2940
CATGGAGGGT	GATGAAGAAG	ATGAAGCTAA	TAAATTGAG	GCCTTACATA	AAAGAAGGAA	3000
TCTACTTGCT	GCTTTCAGCA	AACCTATCAT	TTATGACATT	GTGACATGC	ATGCAGCTGC	3060
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ACTGAGTAAA	ACCAGGCAGA	TTGATAAAAT	TCAGTGTGCC	AAGACTCTCA	TTCTCAGTTT	3180
GCAACAGTTA	TTTAATGAAC	TTGTTCAAGA	GCAAGGTCCC	AACCTAGATA	GGACATCTGC	3240
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GAAATTCCTT	ACCGAGCAGA	TGATGGAAAG	GAGGGAGGAT	GTATGGCTTC	CACTCATCTC	3540
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GGGTCTAATG	GAGGAAGATG	CTGAGCCCAT	CTTTGAAGAT	GTGATGATGT	CATCCCGAAG	4020
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AAGAAATCGG	CGAGAGAGAG	CTGAGCTAAG	GCCAGACTTC	TTGACTCTG	CAGCTATCAT	4140
AGAAGATGAT	TCAGGATTTG	GAATGCCTAT	GTTCTGAAGT	CTGAAGAAAA	TTTACAAATC	4200
TGGAATCTA	TTATTTAGAG	CTAGAGGCCT	ATATACTGTG	ATAGCTTGTA	TGGGGAAAAA	4260
CAACTTTTGA	TGTGATCTGA	TTTGTTTTTT	AATCAAATGA	TTAAGGTCAA	TCCCTTTTTG	4320
CAGTGACAGA	AGAGGAG					4337

Name: 289

Len: 1090

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C2

GCTCCGGGAG ACTTCCGGCA GGGCGGGGCG GGGTCTTGG CGAACGGTCT TCGGAAGCGG

60

74

CGGCGGCGCG	ATGACCACGC	TACGGGCCTT	TACCTGCGAC	GACCTGTTCC	GCTTCAACAA	120
CATTAACCTG	GATCCACTTA	CAGAACTTA	TGGGATTCCCT	TTCTACCTAC	AATACCTCGC	180
CCACTGGCCA	GAGTATTTCA	TTGTTGCAGA	GGCACCTGGT	GGAGAATTAA	TGGGTTATAT	240
TATGGGTAAA	GCAGAAAGCT	CAGTAGCTAG	GGAGAATGG	CACGGGCACG	TCACAGCTCT	300
GTCTGTTGCC	CCAGAAATTC	GACGCCTTGG	TTTGGCTGCT	AACTTATGG	AGTTACTAGA	360
GGAGATTTCA	GAAAGAAAGG	GTGGATTTT	TGTGGATCTC	TTTGTAAAG	TATCTAACCA	420
AGTTGCAGTT	AACATGTACA	AGCAGTTGGG	CTACAGTGTA	TATAGGACGG	TCATAGAGTA	480
CTATTGGGCC	AGCAACGGGG	AGCCTGATGA	GGACGCTTAT	GATATGAGGA	AAGCACTTTC	540
CAGGGATACT	GAGAAGAAAT	CCATCATACC	ATTACCTCAT	CCTGTGAGGC	CTGAAGACAT	600
TGAATAACCC	TGGGCAGTGG	TTCTTAGGCA	GATACTCTAG	ATGCTTTATG	GACAATATTA	660
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TCATACCTAT	TAAAGCTGTT	CATTGTAACA	AAATTCAATC	AAAAAGGCAG	CTAGGTCAGA	840
AGGAAACATA	CCACTCTCAT	GGTTCATAGT	ATTCAGTGTA	TGTATGCTAG	GGAAAAGACT	900
TGCTCCAGTC	TCCTCCTCAG	TTCTGTGCCT	GAGAACCACT	GCTGCATATA	TTTGTTTTAA	960
AATTTTGTAT	TGAACCTGTTA	ATTGAAGCTT	TAAAAGCATA	TATGAAATGT	ATAAATCTAA	1020
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AAAAAATAAA						1090

Name: 29 Len: 558 Check: 1348

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ATAGATCAT	TCCTTTTCTG	TAGGAAAGGA	AAGGCACCAA	AGAGCACAA	GAGTACAAGA	240
AAGCGTCGTG	GTGGAGCAAT	AAATTCTAGA	CAAGCTCAGA	AGCGAACTCG	GGAAGCAACC	300
TCCACCCCCG	AGATCTCCTT	GGAAGCAGAA	CCCATAGAAC	TCGTGGAAAC	TGCTGGAGAT	360
GAAATTGTGG	ACCTCACTTG	TGAATCTTTA	GAGCCTGTGG	TGGTTGATCT	GACTCACAAT	420
GACTCTGTTG	TGATTGTTGA	CGAAAGAAGA	AGACCAAGGA	GGAATGCTAG	GAGGCTGCCC	480
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GACGTATATG	TGACTACC					558

Name: 290 Len: 2150 Check: 214D

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75

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AAAAAAAAAA	AAAAAAAAAA	AAAAAAAAAA	AAAAAAAAAA	AAAAAAAAAA		2150
Name: 291 Len: 3800 Check: 2389						
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TCTTGAGAC	TGTGATGTCA	TAATTAATGA	ATTGTGTCTAT	AGGTTAGGTG	GTGAATATGC	1260
CAAACCTTGC	TGTAACCCTG	TAAAGCTTTC	AGAAATTACT	GAAAAACCTC	CACGAACACA	1320
AAAAGAATTG	GCTTATTTGT	CAGAGTTGCC	ACCCACACCT	CTTCATGTTT	CAGAAGACTC	1380
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GGATTTGAAG	AATGTTGGTT	CTAGTACTGG	GGAGAAAAAT	GAAAGAACTT	CAGTGGCTGG	1620
AACAGTGAGA	AAATGCTGGC	CTAATAGAGT	GGCAAAGGAG	CAGATTAGTA	GGCGGCTTGA	1680
TGGTAATCAG	TATCTGTTTT	TGCCACCAAA	TCGTTACATT	TTCCATGGCG	CTGAGGTATA	1740
TTCAGACTCT	GAAGATGACG	TCTTATCCTC	TAGTCTTGTG	GGCAGTAACA	GTGATAGTGG	1800
GACATGCCAG	AGTCCAAGTT	TAGAAGAACC	CATGGGAGAT	GAAAGTGAAA	TTGAAGAATT	1860
CTACAATGGC	TTAGAAGATG	AGCCTGATGT	TCCAGAGAGA	GCTGGAGGAG	CTGGATTTGG	1920
GACTGATGGA	GATGATCAAG	AGGCAATTAA	TGAAGCTATA	TCTGTGAAAC	AGGAAGTAAC	1980
AGACATGAAC	TATCCATCAA	ACAAATCATA	GTGTAATAAT	TGTGCAGGTA	CAGGAATTGT	2040
TCCACCAGCA	TTAGGAACTT	TAGCATGTCA	AAATGAATGT	TTACTTGTGA	ACTCGATAGA	2100
GCAAGGAAAC	CAGAAAGGTG	TAATATTTAT	AGGTTGGTAA	AATAGATTGT	TTTTTCATGGA	2160
TAATTTTAA	CTTCATTATT	TCTGTACTTG	TACAAACTCA	ACACTAACTT	TTTTTTTTTT	2220
AAAAAAAAAA	AGGTACTAAG	TATCTTCAAT	CAGCTGTTGG	GTCAAGACTA	ACTTTCTTTT	2280
AAAGGTTTCT	TTGTATGATA	AATTCATATG	TGTATATATA	ATTTTTTTTG	TTTTGTCTAG	2340
TGAGTTTCAA	CATTTTTTAA	GTTTTTCAAA	AGCCATCGGA	ATGTTAAATT	AATGTAAAGG	2400
GACAGCTAAT	CTAGACCAAA	GAATGGTATT	TTCACCTTTC	TTTGTAACAT	TGAATGGTTT	2460
GAAGTACTCA	AAATCTGTTA	CGCTAAACTT	TTGATTCTTT	AACACAATTA	TTTTTAAACA	2520
CTGGCATTTT	CCAAAACCTG	GGCAGCTAAC	TTTTTAAAT	CTCAAATGAC	ATGCAGTGTG	2580
AGTAGAAGGA	AGTCAACAAT	ATGTGGGGAG	AGCACTCGGT	TGTCTTTACT	TTTAAAAGTA	2640
ATACTTGGTG	CTAAGAATTT	CAGGATTATT	GTATTTACGT	TCAAATGAAG	ATGGCTTTTG	2700
TACTTCTGCT	GGACATGTAG	TAATGTCTAT	ATTGGCTCAT	AAAACTAACC	TGAAAAACAA	2760
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TAGTTTTTGA	ATATTTGCCA	TTGTTGTTTA	AATACCTATC	ACTGTGGTAG	AGCTTGCATT	2880
GATCTTTTCC	ACAAGTATTA	AACGTCCAAA	ATGTGAATAT	GCAAAGCCTT	TCTGAATCTA	2940
TAATAATGGT	ACTTCTACTG	GGGAGAGTGT	AATATTTTGG	ACTGCTGTTT	TCCATTAATG	3000
AGGAGAGCAA	CAGGCCCTTG	ATTATACAGT	TCCAAAGTAA	TAAGATGTTA	ATTGTAATTC	3060
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CTCTGTTGCT	TTAGTATTTA	TTACRAATAA	AAGGGTTTGA	AATATAGCTG	TTCTTTATGC	3420
ATAAAACACC	CAGCTAGGAC	CATTACTGCC	AGAGAAAAAA	ATCGTATTGA	ATGGCCATTT	3480
CCCTACTTAT	AAGATGTCTC	AATCTGAATT	TATTTGGCTA	CACTAAAGAA	TGCAGTATAT	3540

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TACATTCTTG	GTGGTGTGTA	TTTTGGGATC	TCTACTGTGC	AGCTCCAGAG	AGACGTGAAA	300
CATGTGAACA	CTCAAGTGAA	GCAAAAGCCT	TCCATGATTA	CAGTGTGCA	GCAGCTCCCA	360
GTCCAGTGCT	AGGAAACATT	CCCCCAGGAG	ATGGCATGCC	AGTAGTCCT	GTACCACCAG	420
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TACCTAATCA	GGCACTTGGA	GGTGTCCCG	GAAGTCAGCC	ATTACTCCCC	AGAGGAATGG	540
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GAGCTAATTT	TCCAAATGGG	CCTGGGTCAG	ATGGTCCCAT	GGGTGGATTA	GGAGGAATGG	960
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CCTACAGCTT	CTTCAGTCAA	GAACATCCCG	AAAATTCCCTA	GCATGTCGTC	TAACCCCGGA	300
CATGGAGACT	AAACTCCTCT	TCATGACATC	CCGGGTGCGA	TTTGGTCAAC	AAAAGCGATA	360
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CCTCATTCGG	TACATCTGTG	GGGTAGTCCA	CCCTTCTAAT	GAAGTACTGA	GTTTCTGATAT	480
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CATTATGAAC	ATAGAACCAG	CCATCCTGGT	CATGCACCAC	TCCATGAAGC	CCCACCCAGC	660
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GGAGGGCCAC	GTGCGGCAGG	GTGTCTTTTC	CTCCCTCAAC	CACATTGTGG	AGAAACGGGT	780
CTTGCGGTGT	AAAAAGTATT	GGCTCTACCT	CAGACTGCTG	GGCATATGTC	TTCTTGGCTC	840
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CCTTTGTCTA	ATCATTGGAT	TTATTGTGTC	ACTTCTGAAG	TTTCACAGAA	ATGAATGAAT	2280
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CTTCTTTGAT	TGTGTTGCAC	ATAGATATGG	TAGTCTGCTC	TGTATATTTT	TCCCTTTTAT	2400
AATGTGCTTT	TCACACTGCT	GCAAACCTTA	GTTACATCCT	AGGAAAAAAT	ACTTCCTAAA	2460
ATAAACTAA	GGTATCATCC	TTACCCCTCT	CTTGTCTCA	CCCAGAAATA	TGATGGGGGG	2520
AATTACCTGC	CCTAACCCCT	COCTCAATAA	ATACATTACT	GTAATCTGGA	ATTTAGGCCAA	2580
AACCTTAAAT	CTCCAGGCTT	TTTAAAGCAC	AAAATATAAA	TAAAAGCTGG	GAAAGTAAAC	2640
CAAAATTCTT	CAGATTGTTT	CTCATGAATA	TCCCCCTTCC	TCTGCAATTC	TCCAGAGTGG	2700
TAACAGATGG	GTAGAGGCGA	CTCAGGTGAA	TTACCCAGCT	TGCCTCTCAA	TTCATTCCCT	2760
CTCTTCCTCT	CAAAGGCTGA	AGGCAGGGCC	TTCCAGTCC	TCACAACCTG	TCCTTCACCT	2820
AGTCCCTCCT	GACCCAGGGA	TGGAGGCTTT	GAGTCCCACA	GTGTGGTGAT	ACAGAGCACT	2880
AGTTGTCACT	GCCTGGCTTT	ATTTAAAGGA	ACTGCAGTAG	GCTTCCTCTG	TAGAGCTCTG	2940
AAAAGGTTGA	CTATATAGAG	GTCTTGATAT	TTTTTACTTG	GTCAAGTATT	TCTCACATCT	3000
TTTGTATCA	GAGTACCAT	CCAATCTCTT	AACTTGCAGT	TGTGTGGAAA	ACTGTTTTGT	3060
AATGAAAGAT	CTTCATTGGG	GGATTGAGCA	GCATTTAATA	AAGTCTATGT	TTGTATTTTG	3120

Name: 297

Len: 1759

Check: 127B

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CCCCTAAAAA	GGGAGGTGAT	GGAATTAAAC	CACCCCCAAT	CATTGGAAGA	TTTGAACCT	180
CACTGAAAAT	TGGTATTGTT	GGATTGCCAA	ATGTTGGGAA	ATCTACTTTC	TTCAATGTGT	240
TAACCAATAG	TCAGGCTTCA	GCAGAAAAT	TCCCGTTCTG	CACTATTGAT	CCTAATGAGA	300
GCAGAGTACC	TGTGCCAGAT	GAAAGGTTTG	ACTTTCCTTG	TCAATACCAC	AAACCAGCAA	360
GCAAAATTCC	TGCCTTTCTA	AATGTGGTGG	ATATTGCTGG	CCTTGTGAAA	GGAGCTCACA	420
ATGGGCAGGG	CCTGGGGAAT	GCTTTTTTAT	CTCATATTAG	TGCCTGTGAT	GGCATCTTTC	480
ATCTAACACG	TGCTTTTGAA	GATGATGATA	TCACGCACGT	TGAAGGAAGT	GATAGTCCTA	540
TTGAGATAT	AGAAATAATA	CATGAAGAGC	TTAGCTTAA	AGATGAGGAA	ATGATTGGGC	600
CCATTATAGA	TAACTAGAA	AAGGTGGCTG	TGAGAGGAGG	AGATAAAAA	CTAAAACCTG	660
AATATGATAT	AATGTGCAAA	GTAAAATCCT	GGGTATAGA	TCAAAAGAAA	CCTGTTTCGCT	720
TCTATCATGA	TTGGAATGAC	AAAGAGATTG	AAGTGTGAA	TAAACACTTA	TTTTTGACTT	780
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CACTCCAAT	AGAATACTTT	TTCACTGCAG	GCCCAGATGA	AGTGCCTGCA	TGGACCATCA	1080
GGAAAGGGAC	TAAGGCTCCT	CAGGCTGCAG	GAAAGATTCA	CACAGATTTT	GAAAAGGGAT	1140
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ATTTGACAGT	GAGGACAATG	TGGCTTGCTC	CTTTTTGAAT	CTACAGATAA	TGCATGTTTT	1680
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Name: 298

Len: 2374

Check: 1C94

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CACCCAGCTT	TCACCAAGGC	CTCCCTGTT	GTGAAGAATT	CCATCACGAA	GAATCAATGG	240
CTGTTAACAC	CTAGCAGGGA	ATATGCCACC	AAACAAGAA	TTGGGATCCG	GCCTGGGAGA	300
ACTGGCCAA	AACCTCAAAG	GCCAGCATTG	GAACCATCGA	TGGAAAAAAT	ATTTAAAATT	360
GATCAGATGG	GAAGATGGTT	TGTTGCTGGA	GGGGCTGCTG	TTGGTCTTGG	AGCATTGTGC	420
TACTATGGCT	TGGGACTGTC	TAATGAGATT	GGAGCTATTG	AAAAGGCTGT	AATTTGGCCT	480
CAGTATGTCA	AGGATAGAAT	TCATTCCACC	TATATGTACT	TAGCAGGGAG	TATTGGTTTTA	540
ACAGCTTTGT	CTGCCATAGC	AATCAGCAGA	ACGCTGTTT	TCATGAACCT	CATGATGAGA	600
GGCTCTTGGG	TGACAATTGG	TGTGACCTTT	GCAGCCATGG	TTGGAGCTGG	AATGCTCGTA	660
CGATCAATAC	CATATGACCA	GAGCCCAGGC	CCAAAGCATC	TTGCTTGGTT	GCTACATTCT	720
GGTGTGATGG	GTGCAGTGGT	GGCTCCTCTG	ACAATATTAG	GGGGTCTCT	TCTCATCAGA	780
GCTGCATGGT	ACACAGCTGG	CATTGTGGGA	GGCTCTCCA	CTGTGGCCAT	GTGTGCGCCC	840

80

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 TGAATACAGC TTGCTCTTGT CACCTCTTCA AGCTTTCAAG CTTTATAGA AAAGCTTCTT 2100
 TGTGGCTTAC ACTGGAAATT ATGAAAGCAG TTTTCTCCT AAGACTTTTG GTTTCTCGCA 2160
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Name: 299

Len: 5112

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15A6

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 GGCTCGCAGA AAATTCATGC CGAAGTCCAA CTTAAGAATT ATGGGAAATT TCTTGAGGAG 180
 TATACCTCTC AACTGAGAAG AATTGAGGAC GCTCTGGATG ACTCAATTGG AGATGTTTGG 240
 GATTTCATC TTGATCCTAT AGCATTAAAG CTTTTGCCTT ATGAACAGTC CTCTCTTTTG 300
 GAACATCAA AGACTGAAA CAAGGTCTTA AACAAAGTCA TCACTGTTA TGCTGCACTT 360
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AACAGGTTAA	TATCATCCTT	CTTGGCTCCT	CAATGATAT	CTGTTAGGGG	TTCGTTTATG	300
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CCGATGAAAT	CTTTAACAGA	TTACACTTTA	AATATCTACT	CATCATTTTC	TCTCTCAGAG	240
TCCTAGCTTG	AGTTGCACTG	CATGTATCNT	GTGCATCTTG	TTCTCTTCAT	TTAATGCTGT	300

ACTGTTCTGC TGAGCTCTGA GGGACTATCT TGAGAGATGT AATGGAAGGA AAGCGTGGTG 360
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 TAAGTCCTAT GAACCTGACC TCCTTTATGG CTAATACGAC TAAGCAAGAA TNGAGGG 477
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83

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CAATATTTCT	TCAAATAAAA	GGTGTAAAA	CTTT			4834

Name: 301

Len: 4112

Check:

13B5

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CTACGAGCTG	CTGGAGCGCG	TGGAGGAGCC	GGTGTGCGAG	AACCAGATCC	GGGAGCACGT	720
CATCGCCATC	GAAGATGCCT	TCGTGAACAG	CCAGGAATGG	ACGCTGAGTC	GATCTGTCCC	780
GGAGCTCAAA	GTGGGAATTG	TGGGTAACCT	GGCCAGCGGC	AAGTCTGCCC	TGGTGACCCG	840
GTACTTGACG	GGCACATATG	TCCAGGAGGA	GTCCTCCGGA	GGTGGCAGGT	TCAAGAAAGA	900
GATTGTCTGT	GATGGACAGA	GCTATCTGCT	GCTGATCAGA	GATGAAGGGG	GCCCCCGGGA	960
GGCGCAGTTT	GCCATGTGGG	TGGACGCTGT	TATATTGTGC	TTCAGCTTGG	AGGATGAAAT	1020
AAGTTTCCAG	ACCGTTTACC	ACTACTACAG	TCCAATGGCC	AACTATCGGA	ACACGAGCGA	1080
GATTCTCTCT	GTTCTGGTGG	GAACCCAGGA	TGCCATAAGT	TCTGCTAACC	CGAGGGTCAT	1140
CGATGACGCC	AGGGCGAGGA	AGCTCTCCAA	CGACCTGAAA	CGGTGCACGT	ACTACGAGAC	1200
GTGTGCTACA	TACGGGCTGA	ATGTGGAGAG	GGTCTTCCAG	GACGTTGCCC	AGAAGATTGT	1260
TGCCACAAGG	AAGAAGCAGC	AGCTGTCCAT	AGGACCCCTG	AAGTCGCTAC	CTAATTCTCC	1320
CAGCCATTCC	TCCGTCTGTT	CCGCGCAGGT	GTCTGCCGTG	CACATCAGCC	AGACAAGTAA	1380
TGGAGGTGGG	AGTTTAAGCG	ACTATTCTTC	CTCCGTTCOA	TCGACTCCCA	GCATCAGCCA	1440
GAAGGAACTT	CGGATCGATG	TTCCTCCAC	TGCCAACACG	CCCACGCCCG	TTGCAAGCA	1500
GTCTAAGCGC	CGGTCCAACC	TGTTACCTTC	TCGGAAAGGG	AGCGACCCAG	ACAAAGAGAA	1560
GAAAGGCCTG	GAGAGTCGTG	CGGACAGCAT	TGGGAGCGGC	CGAGCCATCC	CAATTAAACA	1620
GGGCATGCTG	TTGAAGCGAA	GTGGCAAATC	GTTGAATAAA	GAGTGGAAAA	AGAAATATGT	1680
CACCCTGTGT	GACAAATGCC	TGCTGACCTA	TCATCCAGT	TTACATGATT	ACATGCAGAA	1740
TGTTTCATGTT	AAGGAGATTG	ACCTTCTGAG	AACCACTGTG	AAAGTCCCG	GGAGAGGCC	1800
ACCCGAGCC	ACGTACGCTT	GCGCACCCAT	CTCCAGCCCT	AAAACCAATG	GCCTATCCAA	1860
GGACATGAGC	AGTTTACACA	TCTCACCCAA	TCAGACACA	GGGTGGGTG	ACTCCGTATG	1920
CTCCAGCCCC	AGTATCTCCA	GCACCACCAG	CCCCAAGCTC	GACCCGCCCC	CCTCCCTCA	1980
CGCCAACAGA	AAGAAGCACC	GAAGGAAGAA	AAGCACTAGC	AACTTCAAAG	CCGACGGCCT	2040
GTCCGGCACT	GCTGAAGAAC	AAGAAGAAAA	TTTTGAGTTT	ATCATTGTGT	CCCTCACTGG	2100
CCAAACATGG	CACTTTGAAG	CCACGACGTA	TGAGGAGCGG	GACGCCTGGG	TCCAAGCCAT	2160
CGAGAGCCAG	ATCCTGGCCA	GCCTGCAGTC	GTGCGAGAGC	AGCAAGAACA	AGTCCCGGCT	2220
GACGAGCCAG	AGCGAGGCCA	TGGCCCTGCA	GTCGATCCGG	AACATGCGCG	GGAACTCCCA	2280
CTGTGTGGAC	TGCGAGACCC	AGAATCCCAA	CTGGGCCAGT	TTGAACCTGG	GAGCCCTCAT	2340
GTGCATCGAA	TGCTCAGGGA	TCCACCGGAA	TCTTGCCACC	CACCTTTCCC	GAGTCCGATC	2400

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TCTGGACCTG	GATGACTGGC	CAATCGAGCT	CATCAAGGTG	ATGTCATCCA	TCGGGAACGA	2460
GCTAGCCAAC	AGCGTCTGGG	AAGAGAGCAG	CCAGGGGCGG	ACGAAACCAT	CGGTAGACTC	2520
CACAAGGGAA	GAGAAGGAAC	GGTGGATCCG	TGCCAAGTAC	GAGCAGAAGC	TCTTCCTGGC	2580
CCCGCTGCCC	TGCACGGAGC	TGTCCCTGGG	CCAGCACCTG	CTGCGGGCCA	CCGCCGACGA	2640
GGACCTGCGG	ACGGCCATCC	TGCTGCTGGC	ACACGGCTCC	CGGGACGAGG	TGAACGAGAC	2700
CTGCGGGGAG	GGAGACGGCC	GCACGGCGCT	GCATCTGGCC	TGCCGCAAGG	GGAAATGTGGT	2760
CCTGGCGCAG	CTCCTGATCT	GGTACGGAGT	GGACGTCACG	GCCCGAGATG	CCCACGGGAA	2820
CACAGCTCTG	GCCTACGCCC	GGCAGGCCTC	CAGCCAGGAG	TGCATCGACG	TGCTGCTGCA	2880
GTACGGCTGC	CCCGACGAGC	GCTTCGTGCT	CATGGCCACC	CCTAACCTGT	CCAGGAGAAA	2940
CAATAACCGG	AACAACAGCA	GTGGGAGGGT	GCCCACCATC	ATCTGAGGAA	CAGCCGTGCC	3000
CGCCTGCTCG	CCGCACCTGG	GACGCGGCAG	CCTCGCCGCA	TTCTCGCTCA	GAAGTCGCAG	3060
CACGTGAGTC	CCGTGCGCATC	CCCTCCCTCT	TCCTGTGTGG	CACCTCCCTC	CCGCCACCC	3120
ACTCTCACCC	CAAAACAAAT	CACAAAACCT	GGACATCCCT	CAAGGGGCGA	AGAGGCGGCC	3180
GGGAGACTGC	AGAAGTGGCT	CCTTTTCATA	AACTCCCTTA	AACCACACAC	AGGAGAGAGC	3240
GACGGGCCTC	GGCCCTTTGA	TGATAGCACA	TGGCGCAGGA	CCCTTGTCCT	GGTGGCACAA	3300
GGGATGGGGA	CGCGAGGGGG	AGGGGAGGCG	AGGAACAAGG	AGAAGGGGCA	ACTTTCCTTA	3360
ACTGGCAGTT	GAGCACATAG	TACATTTCCC	CTCTACCAAA	CGGAACACTT	GGATTCCATC	3420
TCTTCTCTGA	GGAGCTCGAC	GGCATAAATC	AGAAGCAAGC	ACAGAGTTTG	TCAGGTTTGA	3480
AGCCCCATATG	ATGGTGTGTG	TCAAATCAGT	TGTAGCTAAT	CTGTCCAGGG	AGAATACTGG	3540
CTTCATTACA	CTTGATACAGC	CGAGTCTTTC	CCGCATTACT	GCTGTTTAAAT	AGAACGTGAT	3600
TAGTCATCGC	CGAGAAGAAA	GCATATTAGC	CGAGGAGGTA	GTACGCGGGC	ACGCGCCGGT	3660
GATTGCCACG	ATGTGATTGC	AATACTCTTA	GAAGCACCAT	ATTATCCAG	ACATGTTCTT	3720
TCAAGCCCTT	GGAGCCCTCT	CTAAATTCAC	TGTCATCAAT	TAGTATCTGT	TTAATTTTTC	3780
AGTCCAAAGA	GAGGAAATCA	GTCGCTGAGT	ATTATTTGAC	TCCGGTCTCC	TTGGTGCAAA	3840
AACAAAATGG	GAATAATAAA	TAAGAATAAC	TCAGAAACTC	AAAAGGAAAC	CACAAATTCA	3900
GCTAATAATA	GCATTTTCAG	TATATTTCTG	AAACTAAGGA	AATACACAAA	AGGCTGTTTT	3960
TTTCCGACTG	TAAGAGATAT	TTGATGTCTT	TTTGCCGAGG	TGGATGTGTT	AGTCTCAGGC	4020
CCTCCTGGAC	CACGTTGCCC	AAGTCACACA	GGCTTCTGTG	TTATGTATTT	AGATAAGATG	4080
TGTGAAAATA	TATTTGAATA	AAAGAAGTTC	AT			4112

Name: 302

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GGGGGAGCAC	TAGCAGCAGC	CGGAGTGGG	GGAAAGCACC	CGGGCGCAGC	CGGAGCCGGT	60
GCCGCAGCTG	CGATGGCCGT	GGCCGTGGGG	AGACCGTCTA	ATGAAGAGCT	TCGAAACTTG	120
TCTTTGTCTG	GCCATGTGGG	ATTTGACAGC	CTCCCTGACC	AGCTGGTCAA	CAAGTCTACT	180
TCTCAAGGAT	TCTGTTTCAA	CATCCTTTGT	GTTGGTGAGA	CAGGCATTGG	CAAATCCACG	240
TTAATGGACA	CTTTGTTCAA	CACCAAATTT	GAAAGTGACC	CAGCTACTCA	CAATGAACCA	300
GGTGTTCGGT	TAAAAGCCAG	AAGTTATGAG	CTTCAGGAAA	GCAATGTACG	GCTGAAGTTA	360
ACCATTGTTG	ACACCGTGGG	ATTTGGAGAC	CAGATAAATA	AAGATGACAG	CTATAAGCCG	420
ATAGTAGAAT	ATATTGATGC	CCAGTTCGAG	GCCTACCTGC	AAGAGGAATT	GAAGATTAAA	480
CGTTCTCTCT	TCAACCACCA	TGACACGAGG	ATCCATGCCT	GCCTCTACTT	TATTGCCCCCT	540
ACTGGACATT	CACTAAAGTC	CCTGGATCTG	GTCACCATGA	AAAAGCTGGA	CAGTAAGGTG	600
AACATCATTG	CAATAATTGC	AAAAGCTGAC	ATCATTTGCCA	AGAATGAACT	GCACAAATTC	660
AAGAGTAAGA	TCATGAGTGA	ACTGGTCAGC	AATGGGGTCC	AGATATATCA	GTTTCCCACT	720
GATGAAGAAA	CGGTGGCAGA	GATTAACGCA	ACAATGAGTG	TCCATCTCCC	ATTTGCACTG	780
GTTGGCAGCA	CCGAAGAGGT	GAAGATTGGC	AACAAGATGG	CAAAGGCCAG	GCAGTACCCC	840
TGGGGTGTGG	TGCAGGTTGA	GAATGAAAAT	CATTGCGATT	TTGTGAAACT	TCGAGAGATG	900
CTGATCCGCG	TGAACATGGA	GGACTTGCGA	GAGCAGACTC	ACACCCGCCA	CTATGAATTG	960
TACCACGCTG	TAAGCTTGAA	GAGATGGGGT	TCAAGGACAC	TGACCCCTGAC	AGCAAACCCCT	1020
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AAAAAAAAAA	AAAAAA					1096

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GTCGTTCTCC	ATCATCCCCA	GAGCTCAACA	ACAAGTGTCT	TACCCCCCAG	AGAGAAAGAA	120
GCGGGTCAGA	ATCATCAGTT	GATCAGAAAA	CTGTGGCTCG	GACTCCCTTG	GGGCAGAGAA	180
GTCGTTCCGG	ATCCTCTCAA	GAACCTTGATG	TGAAACCCAG	TGCATCCCCCT	CAGGAAAGAA	240
GTGAGTCAGA	CTCTTCTCCA	GATTCTAAAG	CCAAGACACG	AACCCCACTT	CGGCAGAGGA	300
GTCGGTCTGG	ATCATCTCCA	GAGGTTGACA	GCAATCTCTG	ACTATCCCCCT	CGGCGCAGTA	360
GGTCTGGTTT	CTCCCTTGAA	GTGAAAGATA	AGCCAAAGAGC	AGCACCCAGG	GCACAGAGTG	420
GTTCTGATTG	CTCTCTTGAA	CCTAAAGCTC	CAGCCCTCTG	GGCCCTTCCC	AGACGAAGCA	480
GATCAGGTTT	ATCAAGCAAA	GGCAGAGGCC	CTTCTCCTGA	AGGAAGCAGC	AGTACCGAGT	540
CCTCTCCTGA	ACATCCGCCC	AAATCCAGAA	CTGCTCGCAG	AGGTTCCAGG	TCATCACCAG	600
AGCCCAAGAC	CAAGTCTCGT	ACACCACCTC	GACGTCGCAG	CTCTCGATCA	TCTCCGGAGC	660
TAACAAGGAA	GGCCAGACTG	TCCCGTAGAA	GCCGCTCTGC	CTCATCCTCA	CCAGAAACTC	720
GCTCTAGAAC	TCCCCCAAGG	CACCGGAGAA	GTCCCTCAGT	GTCTTCCCCG	GAGCCAGCCG	780

85

AAAAATCGAG GTCTTCACGC CGACGGCGCT CAGCTTCATC TCCACGCACT AAGACAACCT 840
CAAGGAGAGG CCGCTCTCCT TCGCCAAAGC CTCGTGGACT CCAGAGGTCC CGTTCCCGCT 900
CAAGGAGAGA AAAACAAGA ACAACCCGAC CTCGAGATAG GTCTGGATCT TCTCAGTCAA 960
CCTCTCGGCG AAGACAGCGG AGCCGGTCAA GGTTCGGGGT TACTCGGCGG CGGAGGGGAG 1020
GCTCTGGTTA TCACTCAAGG TCACCTGCCC GGCAGGAAAG TTCCCGGACC TCCTCTCGAC 1080
GCCGAAGAGG CCGCTCTCGG ACACCCCAAA CCAGTCGGAA GCGTTCTCGC TCACGCACAT 1140
CACCAGCCCC GTGGAAACGC TCTAGATCTC GAGCCTCTCC AGCCACTCAC CGGCGATCCA 1200
GGTCCAGAAC CCCCCTGATA AGCCGACSTA GGTCCAGATC TCGAACTTCA CCAGTCAGCC 1260
GGAGACGGTC AAGGTCCAGG ACTTCAGTGA CTCGACGAAG ATCCCGGTCA AGAGCATCCC 1320
CAGTGAGCAG AAGGCGATCC AGATCCAGAA CGCCACCAGT AACC CGCGT CGTTCAAGGT 1380
CTAGAACGCC AACAAACAGC CGCCGCTCCC GTTCTAGAAC TCCACCAGTG ACTCGCAGAA 1440
GGTCCAGATC CAGGACTCCA CCAGTAACCA GGAGGCGATC TCGAAGCAGA ACTTCGCCTA 1500
TCACTCGCAG AAGATCAAGA TCCAGAACAT CTCGGTTCAC CCGAAGGAGA TCTCGATCTC 1560
GCACATCTCC AGTAACCTGA AGAAGTCCC GCTCTCGAAC CTCACCACTG ACACGCCGCC 1620
GCTCTAGGTC CCGGACACCT CCAGCTATTC GCGCGCGCTC TAGATCTCGA ACGCCACTGT 1680
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GTACTCCACG AACAGCTCGG GGTAAACGGT CCTTAACAAG ATCTCCTCCA GCCATCCGCA 1800
GGCGTTCTGC ATCTGGAAGT AGTTCGTATC GTTCACGATC TGCTACTCCT CCAGCAACAA 1860
GAAATCATTC TGGTTCACGG ACACCTCCAG TAGCACTCAA CAGTTCCAGA ATGAGCTGCT 1920
TCAGTCGTCC TAGCATGTCC CCAACACCTC TTGATCGCTG CAGATCACCT GGAATGCTTG 1980
AACCCTTGG CAGCTCTAGA ACACCTATGT CTGTCTTGCA GCAAGCCGGC GGCTCCATGA 2040
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TCATGAGTCT CAGAACCACA CCAGCAGCCA ACCTTGCCAG CAGGATTCCT GCAGCCTCTG 2280
CGGCAGCCAT GAACCTAGCC AGCGCCAGGA CACCTGCCAT TCCAACAGCA GTGAACCTGG 2340
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TGGCACCTTC GGCTGTGAAC CTGGCTGACC CTCGCACTCC CACAGCCCCA GCTGTGAACC 2460
TAGCAGGGGC CAGAACCCCA GCTGCCCTGG CAGCTCTGAG TCTCACAGGC TCTGGCACAC 2520
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ACCTGGTGGG TCCTCGGTCT GCACATGCCA CAGATCCTGT GAATATTGCC GGCTCCAGAA 2640
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AGTCTCTTCT CCCTCCAGCA CAGGATCAGC CGAGGTCTCC TGTGCCCTCT GCTTTTTTCAG 2940
ACCAATCCCCT TTGTTTGATT GCCCAGACCA CCCCTGTAGC AGGGTCTCAG TCCCTTTCTCT 3000
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TCCCTTTCCC TCCCTTTTT TTTTCTTTT TTCCTGTGAA ATGTTAATCT CCGTGAGTTC 4020
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GAGGTTGTGA ACCCCTCCCC CCAACTTTTC ATGTTTCTTA AAGGCATTTT GGTTTTTTAA 4320
AATCTGTACA GCAAGAGCAA CTTTTTCTGT CAAATAAAAA TGAGAAATGC AGG 4373

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CGGGCCCCAGG CGGGGTGCGA GTGGCGCAGT CGGAGCCCGT TGGGCCCCCT GAGGAAGCGA 60
GGAGGCGTCC GCGTCCGCTG AGGCGGGCGG ACCGGCGAGG CGAGGCGGCG GCCCCAGGCC 120

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CGAGGGACTC	GGGAGCTCGA	GCAGCGGGGG	CGGCAAGACC	TCTCCCCCTC	GGAGGCGGGG	180
GGCGGAGGCG	GCGGGAGCGG	TGGTGCCCCC	CCCCGGGCACG	GGGCCATGTA	CAACGGGATC	240
GGGCTGCCGA	CGCCCCGGGG	CAGCGGCACC	AACGGCTACG	TCCAGCGCAA	CCTGTCCCTG	300
GTGCGGGGCC	GCCGGGGTGA	GCGGCCTGAC	TACAAGGGAG	AGGAGGAAC	GCGGCGCCTG	360
GAGGCTGCCC	TGGTGAAGCG	GCCTAATCCT	GACATCCTGG	ACCACGAGCG	CAAGCGGGCG	420
GTGAGCTGCG	GATGCCTCGA	GCTGGAGGAG	ATGATGGAAG	AGCAGGGGTA	CGAGGAACAG	480
CAAATTCAGG	AAAAAGTGGC	GACCTTTTCG	CTCATGTTGC	TGGAGAAGGA	TGTGAACCCT	540
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GAATTAATG	AGAAGAAGAA	TGAAAGACTC	CGTGCTGCCT	TTGGCATCAG	TGATTCTTAC	660
GTAGATGGCA	GCTCTTTTGA	TCCTCAGCGT	CGTGCCCCGAG	AAGCTAAACA	ACCAGCTCCT	720
GAGCCTCCCA	AACCTTACAG	CCTTGTTTCG	GAGTCTAGCA	GTTCTCGCTC	ACCAACCCCA	780
AAGCAGAAGA	AGAAGAAAAA	GAAGAAAGAT	AGAGGACGCA	GGTCAGAGAG	CAGCTCTCCT	840
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AAACGTAAGC	ATAGGTCTCC	CACCTCCAAAG	AGCAAACGTA	AATCTAAGGA	CAAAAAGCGA	960
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ACTCATACAA	CTGCCTTGGC	TGGGCGAAGT	CCTTCCCCCTG	CTTCAGGGCG	ACGCGGGGAG	1140
GGAGATGCGC	CTTTCAGTGA	ACCAGGTACT	ACCAGCACAC	AACGGCCTAG	TAGCCCGGAG	1200
ACTGCTACGA	AACAGCCTAG	CAGCCCTTAT	GAAGACAAAG	ATAAAGACAA	GAAGGAGAAA	1260
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GTTCAAAGTT	GCCCTGGATC	CCTCTCTCTC	TGTGCAGGAG	TAAATCTAG	CACACCACCA	3360
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GACCACAGAT	CTGATACTTC	AAGTCCAGAA	GTGAGACAGA	GTCATTGAGA	ATCACCATCT	3480
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ACTGAGCTGG	CATCCAGATC	TCCAATAAGA	CAAGATAGAG	GTGAGTTCTC	AGCGAGTCTT	3600
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CCTACAGTGG	ACTCGAATTC	TCTCTTGGGG	CAGAGTAGAT	TGGAGACTGC	TGAATCAAAA	3720
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CAGAGCCAGT	CACAGGCTTC	TTTGGAAAGCA	GTAGAAGTCC	CTTCAATGGC	CTCATCTTGG	4140
GGTGGGCCAC	ATTTTTCTCC	AGAACATAAA	GAAGTGTCTA	ACTCCCCACT	CAGGGAGAAC	4200
AGCTTTGGAT	CACCTTTAGA	ATTTAGAAAC	TCAGGCCAC	TTGGTACAGA	AATGAATACT	4260
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GATCCATCTC	TAGACATGAA	AGAACAATCG	ACAAGATCCT	CTGGACACAG	CAGTTCTGAG	4380
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AAAAGTGTGG	CTCGGACTCC	CCTGGGGCAG	AGAAGTCGTT	CGGGATCCTC	TCAAGAACTT	4860
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GACAGCAAAT	CTCGACTATC	CCCTCGGCGC	AGTAGGTCTG	GTTCTCTCCC	TGAAGTGAAA	5040
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88

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89

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90

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TTAATGTGGG	CATGAATGGC	TATTACATTG	TGCATTACGA	GGATGATGGA	TGGGACTCTT	1920
TGACTGGCCT	TTTAAAAGGA	ACACACACAG	CAGTCAGCAG	TAATGATCGG	GCGAGTCTCA	1980
TTAACAATGC	ATTTAGCTC	GTCAGCATTG	GGAAGCTGTC	CATTGAAAAG	GCCTTGGATT	2040
TATCCCTGTA	CTTGAAACAT	GAAACTGAAA	TTATGCCCGT	GTTTCAAGGT	TTGAATGAGC	2100
TGATTCTTAT	GTATAAGTTA	ATGGAGAAAA	GAGATATGAA	TGAAGTGGAA	ACTCAATTCA	2160
AGGCCTTCCT	CATCAGGCTG	CTAAGGGACC	TCATTGATAA	GCAGACATGG	ACAGACGAGG	2220
GCTCAGTCTC	AGAGCGAATG	CTGCGGAGTC	AACTACTACT	CCTCGCCTGT	GTGCACAACT	2280
ATCAGCCGTG	CGTACAGAGG	GCAGAAGGCT	ATTTTCAGAAA	GTGGAAGGAA	TCCAATGGAA	2340
ACTTGAGCCT	GCCTGTGCGC	GTGACCTTGG	CAGTTTGTTC	TGTGGGGGCC	CAGAGCACAG	2400
AAGGCTGGGA	TTTTCTTTAT	AGTAAATATC	AGTTTTCTTT	GTCCAGTACT	GAGAAAAGCC	2460
AAATTGAATT	TGCCCTCTGC	AGAACCCAAA	ATAAGGAAAA	GCTTCAATGG	CTACTAGATG	2520
AAAGCTTTAA	GGGAGATAAA	ATAAAAATCT	AGGAGTTTCC	ACAAAATTCTT	ACACTCATTG	2580
GCAGGAACCC	AGTAGGATAC	CCACTGGCCT	GGCAATTTCT	GAGGAAAAAC	TGGAACAAAC	2640
TTGTACAAAA	GTTTGAACCT	GGCTCATCTT	CCATAGCCCA	CATGGTAATG	GGTACAACAA	2700
ATCAATTTCT	CACAGAACCA	CGGCTTGAAG	AGGTAAAAGG	ATTCTTCAGC	TCTTTGAAAG	2760
AAAATGGTTC	TCAGCTCCGT	TGTGTCCAAG	AGACAATTGA	AACCATTGAA	GAAAACATCG	2820
GTTGGATGGA	TAAGAATTTT	GATAAAATCA	GAGTGTGGCT	GCAAAGTGAA	AAGCTTGAAC	2880
GTATGTAAAA	ATTCCTCCCT	TGCCAGGTTT	CTGTTATCTC	TAATCACCAA	CATTTTGTGT	2940
AGTGTATTTT	CAAACTAGAG	ATGGCTGTTT	TGGCTCCAAC	TGGAGATACT	TTTTTCCCTT	3000

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CAACTCATTT	TTTGAATATC	CCTGTGAAAA	GAATAGCTGT	TAGTTTTTCA	TGAATGGGCT	3060
TTTTCATGAA	TGGGCTATCG	CTACCATGTG	TTTTGTTCAT	CACAGGTGTT	CCCCTGCAAC	3120
GTAAACCCAA	GTGTTGGGTT	CCCTGCCACA	GAAGAATAAA	GTACCTTATT	CTTCTC	3176

Name: 309 Len: 2059 Check: 1D13

GCGGCCGCCA	AGCGATCCCT	GCTCCGCGCG	ACACTGCGTG	CCCGCGCACG	CAGAGAGGCG	60
GTGACGCACT	TTACGGCGGC	ACGTAAGTGC	GTGACGCTCG	TCASTGGGCTT	CAGTTCACAS	120
GTGGCGCCMG	SASGMRGGTT	GCTGTGTTTG	TGCTTCCTTC	TACAGCCCAAT	ATGAAAAGGC	180
CTAAGTTAAA	GAAAGCAAGT	AAACGCATGA	CCTGCCATAA	GCGGTATAAA	ATCCAAAAAA	240
AGGTTTCGAG	ACATCATCGA	AAATTAAGAA	AGGAGGCTAA	AAAGCAGGGT	CACAAGAAGC	300
CTAGGAAAGA	CCCAGGAGTT	CCTAAGCAGT	CTCCCTTTAA	GGAGGCTCTT	CTTAGGGAAG	360
CTGAGCTAAG	GAAACAGAGG	CTTGAAGAAC	TAAAACAGCA	GCAGAACTT	GACAGGCAGA	420
AGGAAGTAGA	AAAGAAAAGA	AAACTTGAAA	CTAATCCTGA	TATTAAGCCA	TCAAATGTGG	480
AACCTATGGA	AAAGGAGTTT	GGGCTTTGCA	AAACTGAGAA	CAAAGCCAAG	TGCGGCAAAC	540
AGAATTCAAA	GAAGCTGTAC	TGCCAAGAAC	TAAAAAGGT	GATTGAAGCC	TCCGATGTTG	600
TCCTAGAGGT	GTGATGATGCC	AGAGATCCTC	TGCTTGCAG	ATGTCCTCAG	GTAGAAGAGG	660
CCATTGTCCA	GAGTGGACAG	AAAAAGCTGG	TACTTATATT	AAATAAATCA	GATCTGGTAC	720
CAAAGGAGAA	TTTGGAGAGC	TGGCTAAATT	ATTTGAAGAA	AGAATTGCCA	ACAGTGGTGT	780
TCAGAGCCTC	ACAAAACCA	AAGGATAAAG	GGAAGATAAC	CAAGCGTGTG	AAGGCAAAGA	840
AGAATGCTGC	TCCATTGAGA	AGTGAAGTCT	GCTTTGGGAA	AGAGGGCCTT	TGGAAACTTC	900
TTGGAGGTTT	TCAGGAAACT	TGCAGCAAAG	CCATTGCGGT	TGGAGTAATT	GTTTCCCAA	960
ATGTGGGGAA	AAGCAGCATT	ATCAATAGCT	TAAAACAAGA	ACAGATGTGT	AATGTTGGTG	1020
TATCCATGGG	GCTTACAAGG	AGCATGCAAG	TTGTCCCTT	GGACAAACAG	ATCACAATCA	1080
TAGATAGTCC	GAGCTTCATC	GTATCTCCAC	TTAATTCCTC	CTCTGCGCTT	GCTCTGCGAA	1140
GTCCAGCAAG	TATTGAAGTA	GTAAAACCGA	TGGAGGCTGC	CAGTGCCATC	CTTCCCAGG	1200
CTGATGCTCG	ACAGGTAGTA	CTGAAATATA	CTGTCCCAGG	CTACAGGAAT	TCTCTGGAAT	1260
TTTTTACTAT	GCTTGCTCAG	AGAAGAGGTA	TGCACCAAAA	AGGTGGAATC	CCAAATGTTG	1320
AAGGTGCTGC	CAAACCTGCT	TGGTCTGAGT	GGACAGGTGC	CTCATTAGCT	TACTATTGCC	1380
ATCCCCCTAC	ATCTTGAGCT	CCTCCTCCAT	ATTTTAATGA	GAGTATTGTG	GTAGACATGA	1440
AAAGCGGCTT	CAATCTGGAA	GAACCTGAAA	AGAACAATGC	ACAGAGCATA	AGAGCCATCA	1500
AGGGCCCTCA	TTTGGCCAAT	AGCATCCTTT	TCCAGTCTTC	CGGTCTGACA	AATGGAATAA	1560
TAGAAGAAAA	GGACATACAT	GAAGAATTGC	CAAAACGGAA	AGAAAGGAAG	CAGGAGGAGA	1620
GGGAGGATGA	CAAAGACAGT	GACCAGGAAA	CTGTTGATGA	AGAAGTTGAT	GAAAACAGCT	1680
CAGGCATGTT	TGCTGCAGAA	GAGACAGGGG	AGGCACTTCT	GAGGAGACTA	CAGCAGGTGA	1740
ACAGTCTACA	AGGTCTTTTA	TCTTGGATAA	AATCATTGAA	GAGGATGATG	CTTATGACTT	1800
CAGTACAGAT	TATGTGTAAC	AGAACAATGG	CTTTTATGA	TTTTTTTTTT	TAACATTTTA	1860
AGCAGACTGC	TAACTGTTC	TCTGTATAAG	TTATGCTATG	CATGAGCTGT	GTAAATTTTG	1920
TGAATATGTA	TTATATTAAA	ACCAGGCAAC	TTGGAATCCC	TAAATCTGT	AAAAAGACAA	1980
TTCATCTCAT	TGTGAGTGGA	AGTAGTTATC	TGGAATAAAA	AAAGAAGATA	CCTATTGAAA	2040
AAAAAAAAAA	AAAAAAAAAA					2059

Name: 31 Len: 550 Check: 2010

TCAGACTCTC	CTCGTTCGCG	CAGTCAGCTC	GGCTCCTTCC	AGCAACCATG	TCTGACAAAC	60
CCGATATGGC	TGAGATCGAG	AAATTTCGATA	AGTCGAAGTT	GAAGAAAACA	GAAACGCAAG	120
AGAAAAATCC	TCTGCCTTCA	AAAGAAACAA	TTGAACAAGA	GAAGCAAGCT	GGCGAATCGT	180
AATGAGGCGA	GCGCGCCAAT	ATGCAGCTGA	CATTCCACGA	GCATTGCCTT	CTTATTTTAC	240
TTCTTTTAGC	TGTTTAACTT	TGTAAGATGC	AAAGAGGTTG	GATCAAGTTT	AAATCGACTG	300
TGCTGCCCCCT	TTACATCAAA	AGAATCAGAA	CTACTGAGCA	GGAAGGCCTC	CCCTGCCTCT	360
CCCACCCATC	TGATGGTCTG	GCTAGCAGAG	AGGGAAAAGA	ACTTGCATGT	TGGTGAAGGA	420
AAAAGCTGGG	TGGGAGATGA	TGAATNGAGA	GGAAAATTTT	AAGATGGTCC	AAGATGTCCT	480
GGCAGGATGT	AAATGSCAGT	TTTAATCAGA	GTGGCATTTT	TTTTTTGGTT	CAAACAATTT	540
TAATTATTGG						550

Name: 310 Len: 2238 Check: 1154

CGTTGCCGGG	TGCGAGGTCC	CGCCAGTGCG	AGCGCAACGG	AGGTGGAAGG	CGTTCAGACT	60
CTTAGCTGAA	CGCGGAGCTG	CGGCGGCTAT	GCTGTGGAGC	GGCTGCCGGC	GTTTCGGGGC	120
GCGCCTCGGC	TGCTTGCCCG	GCGGTCTCCG	GGTCTCGTC	CAGACCGGCC	ACCGGAGCTT	180
GACCTCCTGC	ATCGACCCTT	CCATGGGACT	TAATGAAGAG	CAGAAAGAAT	TTCAAAAAGT	240
GGCCTTTGAC	TTTGCTGCCC	GAGAGATGGC	TCCAAATATG	GCAGAGTGGG	ACCAGAAGGA	300
GCTGTTCCCA	GTGGATGTGA	TGCGGAAGGC	AGCCAGCTA	GGCTTCGGAG	GGGTCTACAT	360
ACAAACAGAT	GTGGGCGGGT	CTGGGCTGTC	ACGTCTTGAT	ACCTCTGTCA	TTTTTGAAGC	420
CTTGGCTACA	GGCTGCACCA	GCACCACAGC	CTATATAAGC	ATCCACAACA	TGTGTGCCTG	480
GATGATTGAT	AGCTTCGGAA	ATGAGGAACA	GAGGACAAA	TTTTGCCCAC	CGCTCTGTAC	540
CATGGAGAAG	TTTGCTTCCT	ATGCTCTCAC	TGAACAGGA	AGTGGGAGTG	ATGCTGCCTC	600
TCTTCTGACC	TCCGCTAAGA	AACAGGGAGA	TCATTACATC	CTCAATGGCT	CCAAGGCCTT	660
CATCAGTGGT	GCTGGTGAGT	CAGACATCTA	TGTGCTCATG	TGCCGAACAG	GAGGACCAGG	720

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CCCCAGGGG ATCTCATGCA TAGTTGTTGA GAAGGGGACC CCTGGCCTCA GCTTTGGCAA 780
 GAAGGAGAAA AAGGTGGGGT GGAACCCCCA GCCAACACGA GCTGTGATCT TCGAAGACTG 840
 TGCTGTCCCT GTGGCCAACA GAATTGGGAG CGAGGGGCGAG GGCTTCCTCA TTGCCGTGAG 900
 AGGACTGAAC GGAGGGAGGA TCAATATTGC TTCCTGCTCC CTGGGGGCTG CCCACGCCTC 960
 TGTCATCCTC ACCCGAGACC ACCTCAATGT CCGGAAGCAG TTTGGAGAGC CTCTGGCCAG 1020
 TAACCAGTAC TTGCAATTCA CACTGGCTGA TATGGCAACA AGGCTGGTGG CCGCGCGGCT 1080
 GATGGTCCGC AATGCAGCAG TGGCTCTGCA GGAGGAGAGG AAGGATGCAG TGGCCTTGTG 1140
 CTCCATGGCC AAGCTCTTTG CTACAGATGA ATGCTTTGCC ATCTGCAACC AGGCCTTGCA 1200
 GATGCACGGG GGCTACGGCT ACCTGAAGGA TTACGCTGTT CAGCAGTACG TCGGGGACTC 1260
 CAGGGTCCAC CAGATTCTAG AAGGTAGCAA TGAAGTGATG AGGATACTGA TCTCTAGAAG 1320
 CCTGCTTCAG GAGTAGAACC CACACTTGTT CTGGCCTGGT GTTCAGTGGC ACTGCAGTCA 1380
 GTGTTGAGTG GTGCCATGTG GGCCGCTCTA TTCCAAAGGA ATCATGGATT AGACCCAAGG 1440
 GCTGAGCTCC TCTAGGGCAG GACCTGCACC CTGTGTGTGG GCACCAGCAT CGGGTCTTGG 1500
 ACTGGGGCAG AATCCCCAGT GGAACCGGAA GAGCTGGACT GATGAGAAAC ATCAGAAGAA 1560
 CACATACTAC CTTGTTTTTC TAATGCCAGA AGGGTGACCA GTGAAGATTG ACCGTCAAAC 1620
 CATGAAAGTC CTTTCTTGGA TCCACTTTAT CTTGATTAGT CTGCATTTTA CTAGTTCACT 1680
 GGATCCCTCC TCTAGGGGCC TGGGGACTTT CACTGATGCT CTTCTGATT CTAGAGCAAA 1740
 GGTGTGGGAA GGGGAAATGG AGGAATGCC TCCGTCTGTG GTCGTTCTCT GTGCCACAGC 1800
 TACAGATGCA GAAGGTTTCT CTGGATAGCA CACCTCTGAA TGTAATCAT GATAAAATGG 1860
 ATATTGGAA ACTTACTCCT AAGCTGTGAT GTAGGGTGTA TTTCTACTTC TGGACTGCCT 1920
 CAATATCAAG GGCTGAGAT TTTGAATGTT GAATATTCTG TGGGTTTCAT GTTAAGACGC 1980
 CTGTGGTCCA GGAGTGCTAT TTAGTGTTTC TGTTCTGAT AAACACTTTG AATATTTTTT 2040
 TGTGTTTTTG TTTCTTTTTC TGAAGCTGTT CCTCCTTTTA AATATTTTTA ATCAGATTGA 2100
 TAAAATCTAT CCTTCATCCA CCTCTGTTTC TACTATAGTT GATTTTATT TTAATGTTT 2160
 AATTGTATTT GATTAAACAC TTAAGTGGAT TTTGGAATAA TAAACTCTC GTCCAATTTG 2220
 GCTTTTAAAA AAAAAAAA 2238

Name: 311

Len: 3334 Check: 1CA

CGGAGGAGGC CCAGAGACCG GAGCGCGGAG ACCTCAGCCA GCGGCCTACG CCCAGGCCTT 60
 TCTCCACCGG AGGACACGAG AACCGCAGT TCATCACAG AGGTACCGTG CTCGCGCTC 120
 CCGCCCTGAC CCGGCCGAGC CCGCTGCGGC GGTGCCTCCT TCCTTCCTCC TCCCTCGCG 180
 CTCTCTCTTT CGCCCGCCCG CGCCTTCCCT GCCCGCCTGC GTCACCGCGG CCGCCATGGC 240
 TGAGAATGGC GAGAGCAGCG GCGCCCGCGC CCCCTCCCGC GGCCCTGCTG CCGCCCAAGG 300
 CTCGGCTGCT GCGCCGCTG AGCCTAAAT CATCAAAGTC ACGGTGAAGA CTCCTAAAGA 360
 GAAAGAGGAG TTCGCGGTGC CCGAGAACAG CTCGGTTCAG CAGTTTAAGG AAGCGATTTT 420
 GAAACGCTTC AATCCCAAA CCGATCAGCT AGTGCTGATT TTTGCCGGAA AAATCTTAAA 480
 AGATCAAGAT ACCTTGATCC AGCATGGCAT CCATGATGGG CTGACTGTTT ACCTTGTCT 540
 CAAAAGCCAG AACCGACCTC AGGGCCAGTC CACGCAGCCT AGCAATGCCG CGGGAACATA 600
 CACTACCTCG CGCTCGACTC CCAGGAGTAA CTCACACCT ATTTCCACAA ATAGCAACCC 660
 GTTTGGGTTG GGGAGCCTGG GAGGACTTGC AGGCCTTAGC AGCCTGGGCT TGAGCTCGAC 720
 CAACTTCTCT GAGCTCCAGA GCCAGATGCA GCAGCAGCTT ATGGCCAGCC CTGAGATGAT 780
 GATCCAAATA ATGGAAAATC CCTTTGTTCA GAGCATGCTT TCGAATCCCG ATCTGATGAG 840
 GCAGCTGATT ATGGCTAATC CACAGATGCA GCAATTGATT CAGAGAAACC CAGAAATCAG 900
 TCACCTGCTC AACAAACCCAG ACATAATGAG GCAGACACTC GAAATTGCCA GGAATCCAGC 960
 CATGATGCAA GAGATGATGA GAAATCAAGA CCTGGCTCTT AGCAATCTAG AAAGCATCCC 1020
 AGGTGGCTAT AATGCTTTAC GCGCATGTA CACTGACATT CAAGAGCCGA TGCTGAATGC 1080
 CGCACAAGAG CAGTTTGGGG GTAATCCATT TGCTCCGTG GGGAGTAGTT CCTCTCTGG 1140
 GGAAGGTACG CAGCCTTCCC GCACAGAAA TCGCGATCCA CTACCCAATC CATGGGCACC 1200
 ACCGCCAGCT ACCCAGAGTT CTGCAACTAC CAGCAGACC ACAAGCACTG GTAGTGGGTC 1260
 TGGCAATAGT TCCAGCAATG CTACTGGGAA CACCGTTGCT GCCGCTAATT ATGTCGCCAG 1320
 CATCTTTAGT ACCCCAGGCA TGCAGAGCCT GCTGCAACAG ATAACCTGAA ACCCCAGCT 1380
 GATTCAGAAT ATGCTGTCCG CGCCCTACAT GAGAAGCATG ATGCAGTCCG TGAGCCAGAA 1440
 TCCAGATTTG GCTGCACAGA TGATECTGAA TAGCCCGCTG TTTACTGCAA ATCCTCAGCT 1500
 GCAGGAGCAG ATGCGGCCAG AGCTCCAGC CTTCCTGCAG CAGATGCAGA ATCCAGACAC 1560
 ACTATCAGCC ATGTCAAACC CAAGAGCAAT GCAGGCTTTA ATGCAGATCC AGCAGGGGCT 1620
 ACAGACATTA GCCACTGAAG CACCTGGCCT GATTCCGAGC TTCACTCCAG GTGTGGGGT 1680
 GGGGGTGCTG GGAACCGCTA TAGGCCCTGT AGGCCAGTC ACCCCCATAG GCCCCATAGG 1740
 CCCTATAGTC CCTTTTACCC CCATAGGCCC CATTGGGCCC ATAGGACCCA CTGGCCCTGC 1800
 AGCCCCCCT GGCTCCACCG GCTCTGGTGG CCCCACGGGG CCTACTGTGT CCAGCGCTGC 1860
 ACCTAGAGAA ACCACGAGTC CTACATAGA ATCTGGACCC AACCAGCAGT TCATTAGCA 1920
 AATGGTGCA GCGCTGGCTG GCGCAATATG TCCACAGCTG CCGAATCCAG AAGTCAGATT 1980
 TCAGTAACAA CTGGAACAGC TCAACGCAAT GGGGTTCTTA AACCTGAAG CAAACTGCA 2040
 GGCCCTAATA GCAACAGGAG GCGACATCAA TGAGCCATT GAAAGGCTGC TGGGCTCCCA 2100
 GCCATCGTAA TCACATTTCT GTACCTGGAA AAAAAATGTA TCTTATTTTT GATAATGGCT 2160

9.3

CTTAAATCTT TAAACACACA CACAAAATCG TTCTTTACTT TCATTTTGAT TCTTTTAAAT 2220
 CTGTCTAGTT GTAAGTCTAA TATGATGCAT TTTAAGATGG AGTCCCTCCC TCCTACTTCC 2280
 CTCACTCCCT TTCTCCTTTG CTTATTTTTC CTACCTTCCC TTCCTCTTGT CTCCCCACTC 2340
 CCTCCCTCTT TGTTTCCTTC CTTCTTATT TCCTTTAGTT TCCTTCCTTA GCCGTTTTTA 2400
 GTGGTGGGAA TCAAATGCTT TTCACTCAA AAGTGTGCA TGCAAACACT TCTCTTTATT 2460
 CTGCATTTAT TGTGATTTT GCAGAACCTTC ACAGGTTGGG TGCAACAAGT 2520
 GTTGTCTTAC AGATGTCCAA TTTATTTGCA TTTTAAACA TTAGCCTATG ATAGTAATTT 2580
 AATGTAGAAT GAAGATATTA AAACCAGAAG CAAATTATTT GAAGCCCTCT AATTTGTGGT 2640
 ACGATATTGC CTTATTGTGA CTTTGGCAKG TATTTTTGCT AGCAAAATGC TGTAAGATT 2700
 ATACCATTGA TCTTTTTTGC TATATTGTGA TACAGTACAG TAAGCACAAT TGGCCCTGTA 2760
 CATCTAAAAA TATTACAGTA GAATCTGAGT GTAATATGTG TAACCAAAAT GAGAAAGAA 2820
 ACAAGAAATG TTTCTGGAGC TAGTTATGTC TCACAATTTT GTAGAATCTT ACAGCATCTT 2880
 TGATAAACTT CTCAGTGAAA ATGTTGGCTA GGCAAGTTCA GTTAAACAT AGTACAAATG 2940
 TTTATCCTGG CATCTCTAAG TACACATTTA ATTGCACAGA AAATTTACAG TGTAACATTG 3000
 CGTCAACATT TGCAGATTGA CTGCATATGA CCTAATCTT TGTGCAGCCT GAAGGATCAG 3060
 TGTAGTAAATG CCAGGAAAGT GCTTTTTACC TAAGACTTCC TTCTCAGCTT CTCCCATAAA 3120
 CAGACCTTAA TATGCATTTT GATTTGTAAT TGGAAATGTA ACTTTCCCTG AAAGTGTCT 3180
 GTGATGTTTG CATTACTTTT AACTGCTATG TATAAAGGAA AGTGTGTCTT TTGACTTCAT 3240
 CAGTTATTTT TCTTGCGCC ACAGAAAAAT GCATTAAAAA TGAATAAAAA AAATAAAAAA 3300
 TTAATAAATG GAAAAAATAA AAAAAAATAA AAAA 3334

Name: 312

Len: 1701 Check: 1755

GGAACAAAAG CTGGAGCTCC ACCGCGGTGG CGGCGCTCT AGAAGTAGTG GATCCCCCGG 60
 GCTGCAGGAA TTCGGCACGA GCAGAAGAGG GGGCTAGCTA GCTGTCTCTG CGGACCAGGG 120
 GAGACCCCGC GCGCCCGCGG TGTGAGGCGG CCTCACAGGG CCGGGTGGGC TGGCGAGCCG 180
 ACGCGGCGGC GGAGGAGGCT GTGAGGAGTG TGTGGAACAG GACCCGGGAC AGAGGAACCA 240
 TGGCTCCGCA GAACCTGAGC ACCTTTTGCC TGTGTGCTGT ATACCTCATC GGGGCGGTGA 300
 TTGCCGGACG AGATTTCTAT AAGATCTTGG GGGTGCCTCG AAGTGCTCT ATAAAGGATA 360
 TTAATAAAGC CTATAGGAAA CTAGCCCTGC AGCTTCATCC CGACCGGAAC CCTGATGATC 420
 CACAAGCCCA GGAGAAATTC CAGGATCTGG GTGCTGCTTA TGAGGTTCTG TCAGATAGTG 480
 AGAAACGGAA ACAGTACGAT ACTTATGGTG AAGAAGGATT AAAAGATGGT CATCAGAGCT 540
 CCCATGGAGA CATTTTTTCA CACTTCTTTG GGGATTTTGG TTTCATGTTT GGAGGAACCC 600
 CTCGTACAGC AGACAGAAAT ATTCCAAGAG GAAGTGATAT TATTGTAGAT CTAGAAGTCA 660
 CTTTGGAAGA AGTATATGCA GGAAATTTTG TGGAAGTAGT TAGAAACAAA CCTGTGGCAA 720
 GGCAGGCTCC TGGCAAACGG AAGTGCAATT GTCGGCAAGA GATGCGGACC ACCCAGCTGG 780
 GCCCTGGGCG CTTCCAAATG ACCCAGGAGG TGGTCTGCGA CGAATGCCCT AATGTCAAAC 840
 TAGTGAATGA AGAACAACG CTGGAAGTAG AAATAGAGCC TGGGGTGAGA GACGGCATGG 900
 AGTACCCCTT TATTGGAGAA GGTGAGCCTC ACGTGGATGG GGAGCCTGGA GATTTACGGT 960
 TCCGAATCAA AGTTGTCAAG CACCCAATAT TTGAAAGGAG AGGAGATGAT TTGTACACAA 1020
 ATGTGACAAT CTCATTAGTT GAGTCACTGG TTGGCTTTGA GATGGATATT ACTCACTTGG 1080
 ATGGTCACAA GGTACATATT TCCCGGGATA AGATCACCAG GCCAGGAGCG AAGCTATGGA 1140
 AGAAAGGGGA AGGGCTCCCC AACTTTGACA ACAACAATAT CAAGGGCTCT TTGATAATCA 1200
 CTTTTGATGT GGATTTTCCA AAAGAACAGT TAACAGAGGA AGCGAGAGAA GGTATCAAAC 1260
 AGCTACTGAA ACAAGGGTCA GTGCAGAAGG TATACAATGG ACTGCAAGGA TATTGAGAGT 1320
 GAATAAAATG GGACTTTGTT TAAAATAAGT GAATAAGCGA TATTATTAT CTGCAAGGTT 1380
 TTTTGTGTG TGTTTTGTT TTTATTTTCA ATATGCAAGT TAGGCTTAAT TTTTTTATCT 1440
 AATGATCATC ATGAAATGAA TAAGAGGGCT TAAGAATTTG TCCATTTGCA TTCGAAAAG 1500
 AATGACCAGC AAAAGGTTTA CTAATACGTC TCCCTTTGGG GATTTAATGT CTGGTGCTGC 1560
 CGCCTGAGTT TCAAGAATTA AAGCTGCAAG AGGACTCCAG GAGCAAAAGA AACACAATAT 1620
 AGAGGGTTGG AGTTGTTAGC AATTTTCATC AAAATGCCAA CTGGAGAAGT CTGTTTTTAA 1680
 ATACATTTTG TTGTTATTTT T 1701

Name: 313

Len: 5956 Check: 1318

GGGGAGAACA CTTCTTTGTC TGGGATTCCA ACCAGCTCTG TCCTTAGCTT GTCTCTGCCT 60
 AGCAGTGTG CCCAAAGTAA TTTTCCACAA GGTCTGTTG CTTCCGAAAT GGTTCCTAAT 120
 CAGCCTGCTA ATTTGCTGGT TCAACCACCA TCCCAGCCAG TTCCAGAGAA CTTGGTTCCA 180
 GAAAGTCAA AGGATCGTAA GGCAGGAAGT GCTCTTCCCG GATTTGCTAA TAGCCCTGCT 240
 GGAAGCACAA GTGTGGTGT AGTTCCACCT GCACACGGCA CCCTGGTGCC TGATGGTAAT 300
 AAGGCAAACC ATTCCAGTCA TCAGGAAGAC ACTTACGGAG CCCTAGACTT TGCTTAAGC 360
 AGGACTTTGG AAAATCCTGT AAACGTGTAC AACCCTGCC ATTCTGACAG CCTCGCTTCT 420
 CAGCAAAGTG TTGCCAGTCA TCCCAGACAA TCTGGGCTG GGGCGCTAA CCTTGACCGT 480
 TTTTATCAG AGGTACAGAA AGATGCCCG GGGCAGCCTG GCCTCGAAAG AGCCAGCAG 540
 GAGCTGGCGC CACCCAGACA ACAGGCTTCT CCCCACAAC TACCCAAAGC CATGTTTTCG 600
 GAGCTGTCAA ATCCAGAAAG TCTGCCCCGA CAGGGACAGG CCCAGAACTC AGCAGATCA 660
 CCAGCAAGTC TGGTTCTGCT CGACGCGGGT CAGCAGCTGC CCCCTCGGCC TCCTCAGTCC 720

94

TCTAGCGTGT	CTCTGGTGTG	CAGTGGCTCC	GGCCAGGCAG	CTGTGCCGTG	AGAGCAGCCG	780
TGGCCACAGC	CAGTGCCCTG	ACTTGCCCCC	GGCCACCGC	CTCAGGACCT	GGCCGCCTAC	840
TACTACTACC	GGCCTTTGTA	CGATGCCTAC	CAGCCTCAGT	ACTCTTTGCC	GTACCCACCG	900
GAGCCTGGCG	CAGCCTCCCT	CTATTACCAG	GATGTCTACA	GCCTCTATGA	GCCTCGATAC	960
AGGCCCTATG	ATGGTGCTGC	GTCTGCTTAC	GCCCAGAACT	ACCGCTATCC	CGAGCCCGAG	1020
CGGCCAGCT	CCCGAGCCAG	CCACTCCTCG	GAACGGCCAC	CTCCAGGCA	AGGATATCCT	1080
GAAGGATACT	ATAGTTCCAA	AAGTGGATGG	AGCAGTCAGA	GCGATTACTA	TGCAAGCTAT	1140
TACTCCAGCC	AGTACGATTA	TGGAGATCCA	GGTCACTGGG	ATCGTTACCA	CTACAGTGCT	1200
AGAGTCAGGG	ACCCCCGCAC	CTATGACCGG	AGGTATTGGT	GTGATGCAGA	GTATGACGCA	1260
TACAGGAGAG	AGCACTCTGC	CTTCGGGGAC	AGGCCCGAGA	AACGTGACAA	CAACTGGAGG	1320
TACGATCCTC	GCTTCACGGG	GAGTTTTGAC	GATGACCCCG	ATCCGCACAG	AGACCCTTAT	1380
GGGAAGAGG	TGGACCGCGG	CAGCTCCAC	AGCGAGCACT	CGGCACGGAG	CCTGCACAGC	1440
GCACACAGCC	TGGCCAGCCG	CCGCAGCAGC	CTCAGCTCCC	ACTCGCACCA	GAGTCAGATT	1500
TACAGAAGCC	ACAATGTGGC	TGCCGGTTCC	TACGAGGCCC	CGCTTCCTCC	AGGCTCCTTT	1560
CACGGCGATT	TTGCCTACGG	CACCTACCGC	AGCAATTTCA	GCAGTGGCCC	CGGCTTCCCA	1620
GAGTATGGCT	ACCCTGCCGA	CACCGTCTGG	CCTGCCATGG	AGCAAGTTTC	ATCAAGACCA	1680
ACTTCTCCTG	AAAAATTTTC	AGTGCCTCAT	GTCTGTGCCA	GGTTTGGCCC	TGGCGGTCAG	1740
CTTATCAAAG	TGATTCCCAA	TCTGCCTTCA	GAAGGACAGC	CGGCCTTGGT	GGAGGTCCAC	1800
AGCATGGAGG	CCTTGCTGCA	GCACACGTCT	GAGCAGGAGG	AGATGCGGGC	GTTCGGGGA	1860
CCCCTGGCCA	AAGACGACAC	CCATAAGGTG	GATGTCAATTA	ATTTTGACAA	GAACAAAGCT	1920
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ATTGATTTC	CGAATGAGGC	AGTGGAGCAG	GTGGAAGAGG	AGGAGTCTGG	TGAGGCCAG	2160
CTCTCTTTCC	TCACTGGTGG	TCCGGCGGCT	GCCGCCAGCT	CGCTCGAGAG	AGAGACCGAG	2220
AGGTTTCAGGG	AGCTGTTGCT	GTATGGCCGT	AAGAAGGATG	CTTTGGAGTC	TGCAATGAAG	2280
AATGGCCTGT	GGGGTCACGC	TCTGCTACTT	GCAAGTAAGA	TGGACAGCCG	GACACACGCC	2340
CGAGTCATGA	CCAGGTTTGC	TAACAGCCTC	CCAATCAACG	ACCCTCTGCA	GACAGTCTAC	2400
CAGCTCATGT	CCGGACGGAT	GCCTGCCGCG	TCCACGTGCT	GTGGAGACGA	GAAATGGGGA	2460
GATTGGAGGG	CGCACCTCCG	CATGGTCTTG	TCCAACCTGA	ACAACAACAT	GGACGTGAG	2520
TCCAGGACGA	TGGCTACCAT	GGGCGACACT	CTGGCTTCAA	GGGGCTCTT	GGATGCGGCC	2580
CACTTCTGCT	ACCTCATGGC	CCAGGCGGGA	TTTGGTGT	ACACGAAGAA	AACTACAAAG	2640
CTTGTCTTAA	TCGGATCCAA	TCACAGTTTG	CCATTCTTAA	AGTTCGCAAC	CAACGAAGCA	2700
ATCCAGAGGA	CGGAAGCCTA	TGAGTACGCC	CAGTCCCTGG	GTGCCGAGAC	CTGCCCCCTG	2760
CCTAGTTTCC	AGGTGTTTTAA	GTTTCTCTAC	TCCTGCCGCC	TGGCGGAAAT	GGGGCTGGCC	2820
ACGCAAGCCT	TCCACTACTG	TGAGGCCATC	GCGAAGAGCA	TCTTGACGCA	GCCGCACCTG	2880
TATTCCCCGG	TGTTGATCAG	CCAGCTTGTG	CAGATGGCTT	CCCAGTTACG	ACTCTTCGAT	2940
CCCCAGCTGA	AAGAGAAGCC	AGAAGAGGAG	TCCTTGGCCG	CACCCACGTG	GCTGGTTTAC	3000
CTGCAGCAGG	TGGAGCGGCA	GATTAAGGAG	GGGGCTGGAG	TATGGCATCA	GGATGGAGCC	3060
CTCCCGCAGC	AGTGTCTTGG	CACTCCGAGT	TCCGAGATGG	AGCAGTTGGA	CAGGCCAGGA	3120
CTCAGTCAGC	CAGGAGCCCT	GGGGATCGCC	AACCTCTGCG	TGGCGGTGCC	TGCACCGAGC	3180
CCTGAGCACT	CGAGCCCGAG	CGTGCGGCTG	CTGCCCTCAG	CTCCGAGAC	GCTCCCTGAC	3240
GGCCCATTTG	CCAGTCCCTG	CAGAGTGCCG	ATGTTCCCG	TGCCACTGCC	CCCGGGGCC	3300
CTGGAGCCGG	GTCTTGGCTG	TGTGACCCCA	GGGCCTGCAC	TTGGCTTCTT	GGAGCCCTCC	3360
GGGCCTGGCC	TCCCACCTGG	TGTGCCACCT	CTGCAGGAAA	GGAGACACTT	GCTCCAGGAA	3420
GCCAGGAGCC	CAGACCCAGG	GATAGTGCCG	CAGGAGGCGC	CTGTTGGAAA	CTCACTTTCC	3480
GAGCTAAGCG	AAGAAAATTT	TGATGGAAAA	TTTGCTAATC	TGACCCCTTC	GAGGACGGTG	3540
CCAGACTCGG	AGGCCCCCCC	AGGGTGGGAT	CGTGCCGACT	CGGGTCCAC	GCAGCCACCT	3600
CTGTCTCTCT	CACCCGCTCC	CGAAACAAAG	AGACCCGGAC	AGGCAGCCAA	GAAAGAAACG	3660
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GAAGCTTATT	TGCCAGATGA	CAAGAACAAA	TCGATTGTTT	GGGATGAAAA	GAAAAACCAG	3780
TGGGTGAATT	TAAATGAGCC	AGAAGAGGAG	AAGAAAGCCC	CGCCCCCACC	TCCAACCTCG	3840
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AACATGTACT	ACAGAAGAGC	AGCAGGAACC	AGAGCTCGCT	ACGTTGACGT	CCTGAACCCA	3960
AGCGGGACCC	AGCGGAGCGA	GCCGGCTCTC	GCTCCTGCGG	ACTTTGTGCG	TCCACTCGCG	4020
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ATGCCCTTCT	ACAACCTGCT	TCAGCTGGCA	CAGGCCCTGCG	CCACCTCCGG	GAGCTCAAGG	4260
CTAGGGAGGA	TTGGCCAGAG	GAAGCACCTG	GTGCTGAAGT	AGGCTTGCCC	TGCTGTGAAC	4320
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TCCGTCCTCG	CCCCAGGAG	ACACAGAGC	GACTCAGAGC	TGGTCGCACA	CTGTGCTCTC	4440
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TCTCCAAGCC	CAGCTGTGAG	TCAGTGCCCA	GTGAGTCCCG	CGCTTCCTTT	AAGGTGCTGG	4740
GAGCAAGAG	AGGGTGAATG	AGGCAGACCC	CAACCCCTGC	TCTGCACCAT	CTGGGCCCTC	4800
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GGAGCCGTGG	GGTTCCTTCG	GCATTAGTTC	ACGGTTTTTG	AGAGAGGGCC	TAGTTACTGC	4920
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GCAACAGAAA	GCGGCCCTGC	TGAAGAACAA	CACCGCCTTG	CAGTCCGTTT	CTCTTCGAAG	360
TAAGACAACC	ATCCGGGGAG	GGCCAAGCTC	GCCCTCTAC	CCCTCCGACA	GCTTCCGGCA	420
GTCCCTCCTG	GGCTCCCGCC	GTGGCCGCTC	CTCCTGTCT	TTAGCCAAGA	GTGTTTCTAC	480
CACCAACATT	GCTGGACATT	TCAATGATGA	GTCTCCCCTG	GGGCTGCGCC	GGATCCTCTC	540
ACAGTCCACA	GACTCCCTCA	ACATGCGGAA	CCGAACCCTA	TCCGTGGAAT	CCCTCATTGA	600
CGAAGCAGAG	GTAATCTACA	GTGAGCTGAT	GAGTGACTTT	GAGATGGATG	AGAAGGACTT	660
TGCAGCTGAC	TCTTGGAGTC	TTGCTGTGGA	CAGCAGCTTC	CTGCAGCAGC	ATAAAAAGGA	720
GGTGATGAAG	CAGCAAGATG	TCATCTATGA	GCTAATCCAG	ACAGAGCTGC	ACCATGTGAG	780
GACACTGAAG	ATCATGACCC	GCCTCTTCCG	CACGGGGATG	CTGGAAGAGC	TACACTTGGA	840
GCCAGGAGTG	GTCCAGGGCC	TGTTCCCCCTG	CGTGGACGAG	CTCAGTGACA	TCCATACACG	900
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CAAGTACCCG	TTACTCATCA	GCCGCATCCT	GCAGCATTCC	CACGGGATCG	AGGAGGAGCG	1260
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CCTGCCACCC	CTGCCCAGGG	GCCTTTTCCG	CTCTGAGTCC	CTTGAGTCCC	CTCGTGGCGA	1980
GCGGCTGCTG	CAGGATGCCA	TCCGTGAGGT	GGAGGGTCTG	AAAGACCTGC	TGGTGGGGGC	2040
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TGGTAACACG	AGTCCTGGGG	TCAGTGCCAA	TGCTGAGGCC	AGAACCCTTC	ATGGCTCCAT	2160
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GCGGCGGGAG	AAGCTGTGCC	GAGCCAATCT	TCGGGATGGG	GAGGCTGGCA	GGGCTGGGGC	2400
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GGCCGAAGAG	GCTCGAAGGC	AGCTGGCCGC	CCTGGGCCAG	ACCGAGCCAC	TCCCAGCTGA	2640
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CCTGTACTTG	AGTTTCAACC	CCCCACAGCC	CAGCCGAGGC	ACTGAACGCC	TGGATCTACC	2760
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CAGCCGCTCTG	TCTCCGCCCC	ACAGTCCACG	AGACTTTACC	AGAATGCAGG	ACATCCCCGA	2940
GGAGACGGAG	AGCCGCGACG	GGGAGGCTGT	AGCCTCCGAG	AGCTAAGGGG	GCCCCCTCCC	3000
CCTGCCCCGT	GCCCCACTGA	AGAACATTAC	TGAGGGGGCT	AACCTTGGGG	ACTCCAATTT	3060
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TCCGAAAGCT	ACACCACAGA	TGCCAGTGGT	TCATGCCTTC	TTCCCCGCAAC	TTTAGGAAAA	3240
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AGGCTCATCC	ACGCAGCTGC	TGGGTTCTTG	CCCTAACGGC	CCTCCCCCTG	AACATCCGTC	3420
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CAGGGCCATG	TCCCTTTCTC	CTCTCCCCTC	AACCTCTTAC	TGCTGTTCTC	CCTTTCTCCG	3540
TCCTTCATGG	AAGCCCTGGG	AGATAACCTG	GCTTCTGGA	GTTGATGGAA	TAAAGGTTGG	3600
GGTGGCCATA	ATGGTTTGT	GGGGGTGAGG	GAAAAAACCC	ACAGGGACCA	GAATGTTTTG	3660
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TGGGGGAGAG	AATGACTTCT	GCCTTCATCT	GCAGTAACGG	GGGGACCTAT	ACTGACCTCT	3840
TCCCCAGCCA	TTTAGAAACA	AGTTCTAGGG	TGGGTTGGAA	AACTCTCAAG	AGCCCTGACC	3900
TCATCTTCCA	CCTCAGCAAC	CATGACCTGA	AACCTCAGCG	TGAATTTGGG	GGATTTTCA	3960
GTGGAACCTT	TGCCCCCAAA	TGTCGACCAG	CCCCCAATG	TCGAAGAATT	TTCTTCTTGC	4020
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GGGGCTGAAA	GACACACAGA	AGTCTTCATG	GATATAGTTG	ATACATTTAA	TCATTTAATT	60
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GAGGATTTTA	GTGCAAGTCA	AAATGTCTTA	GAGGACTCGC	TGAAGAACAT	GCTCAGCGAT	180
AAGGATCCTA	TGCTAGGATC	TGCAAGTAAC	CAGTTCTGTT	TGCCTGTTTT	GGATAGCAAT	240
GATCCCAATT	TCCAGATGCC	TTGTTCAACA	TTGTTGGTC	TTGACGATAT	TATGGATGAA	300
GGAGTTGTTA	AAGAAAGTGG	CAATGATACC	ATTGATGAAG	AAGAAGTAT	TTTACCTAAC	360
AGGAAGTTAA	GGGACAAGGT	AGAAGAAAAT	TCAGTCAGAT	CTCCAAGAAA	ATCACCTCGT	420
TTAATGGCAC	AAGAACAAGT	AAGAAGTTTG	CGACAGAGCA	CTATTGCCAA	GCGTTCAAAT	480
GCAGCACCAT	TAAGTAACAC	AAAAAAAGCA	TCTGGGAAGA	CTGTATCTAC	TGCTAAAGCA	540
GGAGTGAAAC	AACCAGAAAG	GAGTCAGGTT	AAAGAAGAAG	TATGTATGTC	ACTGAAACCT	600
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GCTTTGATGG	AATGTAAAGC	CAAGCCTGTT	GGTAGTCCAT	TGTTTAAGTT	TTGAGATAAA	900
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GAAAGTAATA	TCTTGAAAA	TGCTATTTGT	GATGTGCCTG	ACCAAAATTC	AAAACAGTTG	1380
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GCTCATTCTG	TACTGAAAAA	AACATTACAG	GATCAAACCTT	TAGTACAAAT	TTTCAAGCCC	1800
TTAACTCATT	CTTTGAGTGA	TAAGTCACAC	GCTCATCCTG	GTTGCTTGAA	AGAACCTCAT	1860

Variable	Mean	Standard deviation	Minimum	Maximum	Skewness	Kurtosis	Normality test
Age	35.5	10.5	20	55	0.15	3.2	0.98
Gender	0.5	0.5	0	1	0.0	3.0	0.99
Marital status	0.7	0.5	0	1	0.0	3.0	0.99
Education	12.5	1.5	10	15	0.1	3.1	0.98
Income	1500	500	1000	2500	0.2	3.3	0.97
Occupation	1.5	0.5	1	2	0.0	3.0	0.99
Religion	0.5	0.5	0	1	0.0	3.0	0.99
Political party	0.5	0.5	0	1	0.0	3.0	0.99
Health status	0.5	0.5	0	1	0.0	3.0	0.99
Life satisfaction	4.5	1.5	1	7	0.1	3.1	0.98
Stress level	3.5	1.5	1	7	0.1	3.1	0.98
Work-life balance	4.0	1.5	1	7	0.1	3.1	0.98
Family support	5.0	1.5	1	7	0.1	3.1	0.98
Community support	4.5	1.5	1	7	0.1	3.1	0.98
Overall well-being	5.5	1.5	1	7	0.1	3.1	0.98

CATCCTGCGAC	AAACTGGACGA	TGTATCACAT	TCTAGCCAGA	AACAGTGTCA	TAAGCCTCAG	1920
CAACAGGCC	CAGCAATGAA	AAACCAATAGT	CACGTGAAGG	AAGAGCTTGA	ACACCCAGGC	1980
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AATCAACCTA	CTACTCTGGA	ATTAGCAAAT	AAACCTCTTC	CTGTGGATGA	TATACTTCAA	4440
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ACTGTTAAAG	AAATTCCATT	TTTAAATGAG	CAGACCAAAT	CAAAAATAGA	GAAAACAGAT	4560
AATGTGGAAG	TAACTGATGG	TGAAAACAAG	GAGATAAAAG	TTAAAGTAGA	TAAATTTTCA	4620
GAATCTACAG	ATAAGTCAGC	AGAAATAGAA	ACATCAGTAG	TAGGGTCCCTC	TTCCATTTCT	4680
GCAGGGTCTT	TGACGAGTCT	TAGTCTCAGA	GGTAAGCCAC	CAGATGTTTC	TACAGAAGCA	4740
TTTTTAACAA	ATTTATCAAT	TCAGTCAAAA	CAAGAGGAAA	CTGTGGAGAG	TAAAGAGAAA	4800
ACATTA AAAA	GACAGCTTCA	GGAGATCAA	GAGAATAATT	TGCAAGATAA	CCAGACTTCA	4860
AATAGTTCTC	CATGCAGATC	TAATGTAGGA	AAAGGAAACA	TAGATGGTAA	TGTGAGCTGT	4920
AGTGA AAAAC	TTGTTGCTAA	TACAGCGAGG	TCTCCACAGT	TTATCAACCT	GAAAAGGGAT	4980
CCTAGGCAAG	CAGCAGGACG	AAGTCAGCCT	GTAACACTT	CAGAAAGCAA	AGATGGAGAT	5040
AGTTGCCGGA	ATGGGAGAAA	ACAGTACGCTG	CCTGGCCTGT	CACACAACAA	GGAGCACTTA	5100
ACAGAACAAA	TCAATGTAGA	GGAAAAGTTG	TGTTCTGCAG	AGAAAACTC	GTTGTCTCAG	5160
CAGAGTGACA	ATTTAAAAGT	TGCACAAAAC	TCACCATCAG	TAGAAAACAT	ACAGACTTCT	5220
CAAGCAGAAC	AAGCAAAACC	CTTACAGGAG	GATATTTTAA	TGCAAAATAT	TGAAACTGTG	5280
CACCCATTTT	GAAGAGGATC	AGCAGTAGCG	ACATCTCATT	TTGAAGTTGG	AAACACATGT	5340
CCATCAGAAT	TTCTTCTTAA	AAGCATCAC	TTTACTTCCA	GAAGCACCAG	CCCCAGAACA	5400
AGTACA AACT	TTTCACCCAT	GAGGCCACAG	CAGCCCAACC	TTCAGCATCT	CAAGTCTAGC	5460
CCACCTGGAT	TTCCATTTHC	AGGGCCTCCT	AATTTTCCCC	CACAAAAGCT	GTTTGGATTT	5520
CCACCACATT	TGCCACCTCC	ATTACTTCCC	CCTCCAGGCT	TGGGCTTTGC	TCAAAATCCC	5580
ATGGTTCCCT	GGCCACCTGT	TGTTCATCTC	CCAGGTGAGC	CACAGCGTAT	GATGGGTCTT	5640

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CTCTCACAAAG	CATCAAGGTA	TATAGGCCCG	CAGAATTTTT	ACCAGGTTAA	AGACATTCGG	5700
AGGCCAGAAA	GGCGCCATAG	TGACCCTTGG	GGTAGGCAAG	ACCAACAGCA	ACTGGATAGG	5760
CCATTTAATA	GGGGTAAAGG	GGACCGCCAG	AGATTTTATA	GTGATTCACA	CCATTTGAAA	5820
AGAGAGCGAC	ATGAAAAGGA	ATGGGAGCAA	GAATCTGAAA	GGCATAGACG	CAGAGACAGA	5880
AGCCAAGACA	AGGACAGAGA	CAGAAAAAGC	AGGGAGGAAG	GGCACAAAGA	TAAAGAGAGG	5940
GCACGGTTAT	CACATGGTGA	TCGAGGAACA	GATGGAAAAG	CAAGCAGAGA	TAGTAGGAAT	6000
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ACTGACAGAA	CTAAAAGCAA	AAGGTAAAT	TTGCAGGCTG	CTTCAGGATT	ACATTTAAAT	6180
AACTGTTAAA	ATGTTGTATC	TTGTAAACAA	AAGAAAGATT	GCCTGCTAGG	ATTGTGCCAT	6240
CTTTAAAAAT	TTTACTATTG	GTCATTTGCA	GAACAGTAAA	TTCTGTGTGT	TGGTACAGAG	6300
TGCTCTGTAC	CAGTGCTCAT	CATCCCTTCT	TCATACCAAC	GGTCCCTAGT	TATAGGAATT	6360
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TAAAGGCTTA	GAAATTTTAG	TTTTATTCTT	TAATTGGTAA	ATATGGTTAA	CTATGGAATA	6480
TATTTACTTC	CTCTAGTGAA	TGTCCTTTAT	ATAATGACTA	ATTTGGGAGT	AATGTGTGCT	6540
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CAAGCAACTT	CATAATCAGA	TTATGCTAAT	CATTTAGTTG	AGCAGTTTTT	GACCAAGAAT	6660
CAGAAGCCCA	AGGGGTACAT	TTATTGCTTT	AATCTGCACT	CATTGAAGTC	ATTTATTACC	6720
ATATACTACA	GCTTTGTGGT	AGGCCATTAT	TTTCATTTTC	ATTTTTGGCT	CTTCAGAAAC	6780
TTGAATACTT	AAGCTTGATC	ATGATCTTGT	GTTTTGCTAT	CCTTTTACT	GTAAAATGTA	6840
AATATTTTAA	GGGATATTTT	GATTCTAAAT	ATGATAAAAT	AATTTCTCAC	CTATTTTGTG	6900
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Name: 316

Len: 8213 Check: 1F22

CCCCCAGCAG	AAGGGCGCGA	CGGCTGCAAC	ATCAGCGGTT	AAATTGTACA	GCCTTTCATA	60
GGCCGGTTCA	ATGCATCCGT	ACTAAGATTG	TTAAGGCTGA	GGGTCCCTAG	CCTGGGGAAA	120
AACGAAAGGA	GGCAGAGGGT	AGGGAGACGG	GAAGGAAGAC	AAGGAGGGTG	TAGAAAACGG	180
GGAGAGGAGG	GGGCGGGACA	GCATGGGGAA	GGCCTCAGGT	TACTTGGAGA	GATCGTGGCG	240
TTCCCATAGA	AACGTATCCC	TCCGCCCATG	ACCCGCGTGT	TAGTCTCTTC	AGTTCTTCC	300
CGCTCGTTTC	TTGGCTGTTT	CCGCCAGCT	CCTTTGTGCC	GCGCAGAAAC	ACGAGATGAC	360
GCATGCGCAA	AGCGCAGCGG	CCGCATATAT	AAACGCGAAC	CCGGGCTCTT	CCTCGTAGTG	420
CCGCCGGGAC	TCTTGGCGGG	TGAAGGTGTG	TGTCAGCTTT	TGCGTCACTC	GAGCCCTGGG	480
CGCTGCTTGC	TAAAGAGCCG	AGCACGCGGG	TCTGTCATCA	TGTCGCGTTA	CGGGCGGTAC	540
GGAGGAGGTA	AGAAGCTGGA	GTCCGGTGAG	GGACGTTGGT	GTGGGTGTAG	TGAGCACTGC	600
SAGGCCGTAG	GGTTGTGCGG	GAGGTTGGGA	GACGGTTATT	CCGCGTGCGT	AATGGCGGCT	660
TAGGAGCACG	CCAGACGAAG	CCGGAGGCAG	CGGAGGCGGG	GTGCTGAAGG	GAGACGGGAT	720
GGCGGGTGTA	CATCTCTGCC	GAGTTCCGTA	CTCTTGGGCA	TTTTTGTGGC	CCAATCCAGC	780
CTAAAGCAGG	GTTGAGATGA	CGGTTTTGCG	GTTGCCCTTC	TGGGAGCTGC	CCGCCGGCCC	840
CCCTCCCCOC	CCGCCCTCGG	CCGGCGGCTG	CCATTTTGCG	CACATTGAGG	ACCGTGGTGG	900
CGCATTTTCT	CAGCGCTTTC	CCGCCACTT	AGCGGACAGA	TCTGGCCGCA	GCTGTAAGAT	960
CGTGGTTGTG	TTTGAGATAG	AACGAAATTG	GCACTGTGTA	GCTGCATGTT	CTCGTCAAAC	1020
AATCGGTTAA	ATTGCGGAAT	GGGAATGGGG	ACGTAATCTG	CGACTGGCGG	CTGGGTTTTT	1080
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CCTGTGCCTG	GGACGTTTGC	CGCGGAGGAC	GAGAGCCGGC	GCAGCCCTGC	TCTCCTGGCC	1200
CGGCCCTTAC	CGAGGCCCTC	CCGCCGCCGA	CGCGCTGCCG	CTGCGGGCCC	GCGCGCTCCC	1260
GGTGCGCCCG	GGGCTGCCGG	GACTCATGGG	TGGGGCCGGG	CCAGGTCCCC	CCCCACGCCT	1320
CGGTGTATCC	TACCACGCGT	TTCTGCTTGT	GTTCCGGGAGG	GTCACCCCGC	ATTATTTAGA	1380
ACGTTAAGAA	TTTTGTCAAA	AGTCTAGTTT	CTCGGGGATT	TGCGGACTTC	ACCAGTTTTA	1440
CGACTAAGTT	TTGTCTTGGA	TAGAGGGCAT	TAAATGTGCT	TTACCCAATC	TTGAGGATGG	1500
CCCGTTTTTAA	GGCAAGTAAG	TAATTGAAAC	TTGGGCCAGA	TTTTGCATAA	CGTGCAATTCT	1560
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GCAAAGGAGA	GTTAGAAAGG	GCTTTCAGTT	ATTATGGTCC	TTTAAGAACT	GTATGGATTG	1680
CGAGAAATCC	TCCAGGATTT	GCCTTTGTGG	AATTCGAAGA	TCCTAGAGAT	GCAGAAGATG	1740
CAGTACGAGG	ACTGGATGGA	AAGTAAGTAA	GATGTTATGA	ATCTTCTGTT	CATTAAAATA	1800
TACTGTGGCT	AGATAATGAA	CTTAGTGCTA	AATTTGGATT	CTGAAGTCTG	GAAGAGACCT	1860
TAAATAGCTG	GTCATAGTGT	TAAATGCTAA	AGGCACACGA	AGGTTAAAGA	AGATAGCGGA	1920
GATGGAGTTA	GGGCTTGGA	AAGACCGCCA	AAGTTTGTTG	GGGGGGAAGG	AGTGGTTGGA	1980
AAGAGTGAGT	GGTTGGAAAG	AGTTCTTTT	AAATCTATAA	GTCCTGAATA	TATTTTTAAC	2040
TTTAGAATTT	TGTTAATTTG	CTTTTATTAG	GGTGATTGTT	GGCTCCCGAG	TGAGGGTTGA	2100
ACTATCGACA	GGCATGCCTC	GGAGATCACG	TTTTGATAGA	CCACCTGCCC	GACGTCCCTT	2160
TGATCCAAAT	GATAGATGCT	ATGAGTGTGG	CGAAAAGGGA	CATTATGCTT	ATGATTGTCA	2220
TCGTTACAGC	CGCGGAAGAA	GAAGCAGGTA	TTTATTTTTA	TAAAGGAATG	GTTGGTATTC	2280
TAGTTAATCA	AGTAATTCTT	TTATTAGCAA	GGCAGAAACT	AGTGTTTTTT	TATAAACTTG	2340
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99

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AGAATGTCAC	GAGCCTTATG	ATATCATGCT	GAGGCGCCTT	GCAAAATCCGA	CAATTAAGAT	2520
CCTCCTAGAC	CTTGAGGTGA	TCAGCATAAG	AGGCCAGATC	CCCTCGAGTC	ATCTACACCT	2580
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TTTGGCTTAC	AATTGGGGCC	CCCCTCCGGT	TTAGAAAGAG	GAACACCAGA	TTGACCACAT	2700
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TTTGATCGTC	GTTAGATTGA	AGAAAACATC	TAGATGCAGC	GATCGGCTAT	AGATACTTCT	2820
AGATCGTCTA	GATCTACTAG	ACCATGGGCC	AAAGAGGGTC	GACCTGCAAA	CTTGCAAGGT	2880
TTATGTTAAA	TACACATTAC	AGTGTTTTAT	ATTATGTAAT	GCTAAGTTGT	AATTCAGCTT	2940
TTAACAAATC	TTTTTTTAGG	TAGTAAAAAA	AAAAATACTC	AACAACTAAT	AGGCCCAGAG	3000
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CACAACTCT	TAAAAACGAG	TTATTGTCTG	ACATTTTGTT	TTTTCTCTAA	CTTGAAAAAT	3120
AGGTCACGGT	CTAGATCACA	TTCTCGATCC	AGAGGAAGGC	GATACTCTCG	CTCACGCAGC	3180
AGGAGCAGGG	GACGAAGGTG	AGATCTTGTT	TAAGTGAAGT	CTTCTGTGAT	TATTATTAAA	3240
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TGTCACCCGG	GCTGGAGTAC	AGGGGCATAA	CCACGACTCA	CTGCTGCCTT	GATGATCTCT	3360
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CACCGTTCCC	CAGTTGAAGT	CTTAACAGGC	CAAAAAAAA	AAAACTGTG	GAGATGGACT	3600
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TCGTAGATCA	AGATCAGCTT	CACTCAGAAG	ATCTAGGTCT	GGTCTATATA	AAGGATCGAG	3720
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CCAGGAAAAG	AGATCAGAAG	CAAGTAGAAA	CATTTCTCAT	TTTTGGAATG	ATGGGGTTGA	4140
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GTTTGTCTGA	CAGATTGATG	GCTCTCAAAC	ATAACTTGAT	CCGGGAAGAA	GCCTGACAAA	4560
TGGGGGGGGG	CTTTCTTTTC	GTCTGGCCTT	ATCACCTGAA	TTAGTCTCAG	TTCAGGGGTC	4620
TGGTTATTTT	CATCCTGCCT	TAGCCTCCTG	AGTAGCTGGG	ACTGCCATTG	TGTACCACAG	4680
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CATCAAATGA	AAACCATGTA	TTTCCCTTGG	ATATTACACA	GTGTTTGAGA	ATGTTATACC	4800
TGTACAGAAA	CTAACCAATT	GAGTGATAGA	AACAAGTAAT	TGAAATGGGG	GTTCCCTTATG	4860
TCTGGTAAAC	CTTTGTTTGA	CAGTGTGTTA	GACAGATAAA	GGCAAGTGTT	GCATCTTGTT	4920
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CTTTGGACTG	ATTGATATAA	TTGTGTTTTT	TCACTTTTTT	TATTAAGATC	CCCGTCGAGG	5040
TCAAGATCAA	GATCCAGGTC	TATTTACGTA	CCAAGAAGCA	GGTAGGGTAA	AAATTTGATT	5100
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AATTTTAAAGT	GTTAACTCTA	AACCTAGGTT	TTAGTGGGAA	CACAGTACCT	TATTTGTGTA	5220
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AGAAGCTTAT	GACTTGGGGG	ATTATATTAA	AGAGGCCCTT	GTTAGAACTG	ATAGGTGCAT	5340
GGAGAAGCAT	CCTGAAATCG	ATGTGCTTAA	AGCAGAATGT	AAAAGATTAA	TCATGATGTA	5400
GTAATTGAGT	CATTTTGTGA	AAAACAGTTG	TTGAAAGATT	GGCTTTTGTT	AGCAACAAC	5460
GGTAGGATGT	TTTTTCAGTT	AAGTGCAGTC	TGACATTTTA	AGCTTAGGAC	ATTTGGGGGT	5520
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CTCATGTTTT	GACAGCCGAT	CAAAGTCCAG	ATCTCCATCT	CCAAAAAGAA	GGTAAGCTAA	5640
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GAAAAGTCTT	GGAAATAGTT	ACCTGCCTAG	TGCTTCTTTA	TGACCAGAAA	ACTTCAAATA	6000
GTTGTCATAT	TTATCTAGTG	CTTCTTAATG	ACCAGAAGAC	TTCAAATAGT	TGTCATATTT	6060
AACTGCAGGT	TGACCTTGCA	ATTTTGACAA	GGAGGATAGC	CTAATTTTTT	TTTTTTTCTG	6120
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10-1

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CAGANCCAGG CCCAAAGCAT CTGGCTTGGA TGCTGCATTC TGGTGTGATG GGTGCGAGTTG 180
TGGCTCCTCT GACGATCTTA GGGGGGCCCTC TTCTCCTGAG AGCCCGCATGG TACACCGCTG 240
GTATTGTGGG AGGCCTCTCT ACTGTGGCCA TGTGTGCGCC TAGTGAGAAG TTTCTCGAAC 300
ATGGGAGCAC CCCTGGGAGT GGGCCTGGGT CTGTCTTTT GCGTCTTCTC TGGGGTCTAT 360
GTTTCTTCCC CCTACCTCTG TGGGCTGGTG CACTCTGTAC TCAGTGGCAA TGTATGGTGG 420
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CATNGATACA ATTAATATAT TTATGCGAGT TGCANTAATG CTAGCAACTT GAAGCAACAG 600
AAAGAATGAA GTACCGCTTT TTA 623

Name: 320 Len: 359 Check: 19B0
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TCAAGGGAAT TAGATTGAGT AAGCAACGTT TCAAAATTTGG GATGAAAGAT TTCCAAATT 359

Name: 321 Len: 295 Check: 102E
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GCTCGTTCTT AGCTTCGACG AGGAGAAGAG GCGGGAGTAC CTGACAGGCT TCCACAAGCG 120
GAAGGTGCGAG CGAAAGAAGG CAGCCATTGA GGAGATTAAG CAGCGGCTGA AAGAGGAGCA 180
GAGGAAGCTT CGGGAGGAGC GCCACCAGGA ATACTTGAAG ATGCTGGCAG AGAGAGAAGA 240
GGCTCTNGAG GAGGCAGATG AGCTGGACCG GTTGGTGACA GCAAAGACGG AGTCG 295

Name: 322 Len: 406 Check: 233D
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Name: 324 Len: 491 Check: 21BF
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Name: 325 Len: 546 Check: 101E
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Name: 326 Len: 456 Check: A6C

102

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Name: 327 Len: 462 Check: 1820
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Name: 328 Len: 457 Check: D31
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GAAACAGAC TCTTTAGCCC ACTGTATCAG TGAGGATTGT CGCATGGGCG CTGGGATAGC 300
TGTCTCTTT AAGAAGAAAT TTGGAGGGGT GCAAGAACTT TTAAATCAAC AAAAGAAATC 360
TGGAGAAGTG GCTGTTCTGA AGAGAGATGG GCGATATATA TATTACTTGA TTACAAAGAA 420
AAGGGCTTCG CACAAGCCAA CTTATGAAAA CTTACAG 457

Name: 329 Len: 448 Check: 77C
TTTTTTTTTT TTTTATGATG CACTCCAAGT GCCATATGTC TATTTTATTC TTCAGGAAAT 60
TATATTTTTT TTTTACAAGA GCACAACAGG AACCAAAGTA AAAGAGTAAT AGATACAGCA 120
CTCAGGATAA ATCATATCTT TAAAATAATA ATAAAAAAT TTACACCTTG TCCTATATCC 180
TGTTAGTATT TTCATAATAT GGCCATGATT GAAAAACAA AAAGCAAGCA TCTACAATTT 240
TTTTTGATAA AGACTTTTTA TGCCAGGAAT GGATTAATTA CCAACAAAAT TTATACTAAT 300
CAGGCTGATG TCAATCTATT TTTGTAATGT ATCATTAACA AATTTATTTT GGAAAAGATA 360
AAAATATTGC CCCTTGATAA TAAATCTTTT TTTCTTTTGA TGCAACACAGC TAGAACACCT 420
TTTTCTTTTT CTTTTTGATA TTCTAAGA 448

Name: 33 Len: 464 Check: 1B37
TATTCCAAGC ACACTTTCCA GTATGCTTAC CTGTTACGA CTTATCTCCT CTCATAAAGC 60
GATGTCTAGA AATTAATTAT GTTAAGTTTA ATTTAATTTG AGGAGGGTGA CGGGCGGTGT 120
GTGCGTACTT CATTGCTCAA TTCAATTAAG CTCTCTATTC TTAATTTACT ACTAATCCT 180
CCTTAGTCCT TTAGTTTCAT AAAGGGTATA GTAATGTTCT TTTATAAGAA AATGTAGCCC 240
ATTTCTTCCC ATTTTCATTGG CTACACCTG ACCTAACGTT TTTATGTTTG ATTCTTTTGC 300
TTACTTTAAT ACCTTTTTAG GGTTCGCTGA AGATGGCGGT ATATAGGCTG AATTAGCAAG 360
AGATGGTGAG GTAGAGCGGG GTTTATCCGA TTATAGAACA GGCTCCTCTA GATGGATATA 420
AAGTACCGCC AAGTCCNTTG AAGTTTTAAG CNAATGGCTAG TAGT 464

Name: 330 Len: 373 Check: A98
GTTGCACATG CCGTCGGCCA TGACTGTGTA TGCTCTGGTG GTGGTGTCTT ACTTCCTCAT 60
CACCGGAGGA ATAATTTATG ATGTTATTGT TGAACCTCCA AGTGTGCGTT CTATGACTGA 120
TGAACATGGG CATCAGAGGC CAGTAGCTTT CTTGGCCTAC AGAGTAAATG GACAATATAT 180
TATGGAAGGA CTTGCATCCA GCTTCCTATT TACAATGGGA GGATTAGGTT TCATAATCCT 240
GGACCGATCG AATGCACCAA ATATCCCAA ACTCAATAGA TTCCTTCTTC GTTTCATTGG 300
ATTCTCTGT GTCCTATTGA GTTTTTTGAT GGCTAGAGTA TTCATGAGAA TGAACTGCC 360
GGGCTATCTG ATG 373

Name: 331 Len: 306 Check: 2689
GGCGAAGAGG ACCAGGACTA TGACATCACC CAGCTCCACC GAGGTCTGGA GGCCAGGCCG 60
GAGGTGGTTC TCCGCAATGA CGTGGCACC ACCATCATCC CGACACCCAT GTACCGTCTT 120
CGGCCAGCCA ACCCAGATGA AATCGGCAAC TTTATAATTG AGAACCTGAA GGCGGCTAAC 180
ACAGACCCCA CAGCCCCGCC CTACGACACC CTCTTGGTGT TCGACTATGA GGGCAGCGGC 240
TCCGACGCCG CGTCCCTGAG CTCCTCACC TCCTCCGCT CCGACCAAGA CCAAGATTAC 300
GATTAT 306

Name: 332 Len: 626 Check: FF
TCACGTATCG CAAGGGGCTT TTATTGGATT AGTTGCGTGG GGGAAATCAGT TCTTCCCGAG 60
AGCAGCAAGT GCAGGCATTA GTGTACAGAA TCCAGAGGAA GGGCAGGCTG CTTGGGTGAG 120
GCCTACTCGC CTGGAGACAT GTGGAGTTCT CTAGGGGTCT GCAGCCACCT CGGGGAGCTG 180

GGAGATTCCC	TCCCAGACAC	TCCTACATAT	AGGAAGGTGA	TGCTTCTATC	TCATTCCGCA	240
CGGCTTTTCC	TGCGGTATTC	CTGTAGCGCC	TTCTCCGCCA	CTGTGTCCAT	AAACTTAGGG	300
TTATCCTTAG	AGACTTCTTC	TGGTAACACC	ACTGTGATGG	GGTCAGAGTC	AAACAGCTTC	360
ACCACCACCT	CAGTGACACG	GGANGGGACC	TCTGAGTCAG	AGGAATGGGT	GGTCACGGTG	420
GAGACCCGAA	GGTAAGTACT	TGTCTTCGNC	CTGTGTGAAG	GTTAGCCAAC	TGGGAAACCC	480
AGTTTGAACT	GGTCGTTCCG	CTTGCTCCAG	CAGGGAATGA	GGTGTTGAGC	ATCTTTCGAC	540
TGGAAGAACT	GCAGCAGTTC	CCTGTANTGC	TCTGTNAGCC	TTTCGGGCACC	TGGAGCGAGT	600
CGTTAAGTCC	TGGGCGAGGT	AGCTGANTG				626

Name: 333	Len: 4898	Check: FCC				
GAATTCGGGC	TGCCAGGGGC	GTCCGGTTAC	ATCCCCGCTT	TCCTCTGTCC	TGGCCGCGGG	60
ACCGGGTTTG	CGGGACCGCA	GTTCCGGGAAC	ATGTTGGCCT	CGAGCAGCCG	GATCCGGGCT	120
CGGTGGACGC	GGGCGCTGCT	GCTGCCGCTG	CTGCTGGCGG	GGCCTGTGGG	CTGCCGTGAGC	180
CGCCAGGAGC	TCTTTCCTTT	CGGCCCCGGA	CAGGGGGACC	TGGAGCTGGA	GGACGGGGAT	240
GACTTCGTCT	CTCTTCGCCCT	GGAGCTGAGT	GGGCGCGCTC	GCTTCTACGA	CAGATCCGAC	300
ATCGACGACG	TCTACGTCAC	CACAATATGGC	ATCATTGCTA	CGAGTGAACC	CCCGGCCAAA	360
GAATCCCATC	CGGGGCTCTT	CCCACCAACA	TTCGGTGCAG	TCGCCCTTTT	CCTGGCGGAC	420
TTGGACACGA	CCGATGGCCT	GGGGAAGGTT	TATTATCGAG	AAGACTTATC	CCCCCTCATC	480
ACTCAGCGAG	CAGCAGAGTG	TGTCCACAGA	GGGTTCCCGG	AGATCTCTTT	CCAGCCTAGT	540
AGCGCGGTGG	TTGTCACTTG	GGAAATCCGTG	GCCCCCTACC	AAGGGCCCAG	CAGGGACCCA	600
GACCAGAAAG	GCAAGAGAAA	CACGTTCCAG	GCTGTTCTAG	CCTCCTCTGA	TTCCAGCTCC	660
TATGCCATTT	TCCTTTATCT	TGAGGATGGT	CTGCAGTTCC	ATACGACATT	CTCAAAGAAG	720
GAACAACAAC	AAGTTCCTGC	CGTGGTTGCA	TTCAGTCAAG	GTTCAGTGGG	ATTCTTATGG	780
AAGAGCAACG	GAGCTTATAA	CATATTTGCT	AATGACAGGG	AATCAATTGA	AAATTGCGCC	840
AAGAGTAGTA	ACTCTGGGCA	CGAGGGTGTC	TGGGTGTTTG	AGATTGGGAG	TCCAGCCACC	900
ACCAATGGCG	TGGTGCCTGC	AGACGTGATC	CTCGGAACTG	AAGATGGGGC	AGAGTATGAT	960
GATGAGGATG	AAGATTATGA	CCTGGCGACC	ACTCGTCTGG	GCCTGGAGGA	TGTGGGCACC	1020
ACGCCCTTCT	CCTACAAGGC	TCTGAGAAGG	GGAGGTGCTG	ACACATACAG	TGTGCCCAGC	1080
GTCTCTTCCC	CGCGCGGGGC	AGCTACCGAA	AGGCCCTTGG	GACCTCCCAC	AGAGAGAAC	1140
AGGTCTTTCC	AGTTGGCAGT	GGAGACTTTT	CACCAGCAGC	ACCCTCAGGT	CATAGATGTG	1200
GATGAAGTTG	AGCAAAACAG	AGTTGTTTTT	AGCTATAACA	CGGATTCCCG	CCAGACGTGT	1260
GCTAACAACA	GAGAACAGTG	CTCGGTGCAC	CGAGAGTGCA	GGGACTACGC	CACGGGCTTC	1320
TGCTGCAGCT	GTGTGCTGCT	CTATACGGGC	AATGGCAGGC	AATGTTGTGC	AGAAGTTTCC	1380
CCCCAGCGAG	TCAATGGCAA	GGTGAAAGGA	AGGATCTTTG	TGGGGAGCAG	CCAGGTCCCC	1440
ATTGCTTTTG	AGAACACTGA	CCTCCACTCT	TACGTAGTAA	TGAACCACGG	GCCTCCTTAC	1500
ACAGCCATCA	GCACCATTCC	CGAGACCCTT	GGATATTCTC	TGCTTCCACT	GGCCCCAGTT	1560
CGAGGCATCA	TTGGATGGAT	GTTTGCAGTG	GAGCAGGACG	GATTCAAGAA	TGGGTTTCAGC	1620
ATCACCGGGG	TGAGTTTCAC	TCGCCAGGCT	GAGGTGACCT	TCGTGGGGCA	CCCGGGCAAT	1680
CTGGTCATTA	AGCAGCGGTT	CAGCGGCATC	GATGAGCATG	GGCACCATGAC	CATCGACACG	1740
GAGCTGGAGG	GCCGCGTGCC	CGAGATTCCG	TTCGGCTCCT	CCGTGCACAT	TGAGCCCTAC	1800
ACGGAGCTGT	ACCACTACTC	CACCTCAGTG	ATCACTTCCT	CCTCCACCCG	GGAGTACACG	1860
GTGACTGAGC	CCGAGCGAGA	TGGGGCATCT	CCTTCACGCA	TCTACACTTA	CCAGTGGCGC	1920
CAGACCATCA	CCTTCCAGGA	ATGCGTCCAC	GATGACTCCC	GGCCAGCCCT	GCCCAGCACC	1980
CAGCAGCTCT	CGGTGGACAG	CGTGTTCTGC	CTGTACAACC	AGGAGGAGAA	GATCTTGCGC	2040
TACGCTTTCA	GCAACTCCAT	TGGGCCCTGT	AGGGAAGGCT	CCCCGTGATC	TCTTCAGAA	2100
CCCTGCTACA	TCGGCACTCA	TGGGTGTGAC	ACCAACGCGG	CCTGTGCCCC	TGGTCCCAGG	2160
ACACAGTTCA	CTCGCGAGTG	TCTCATCGGC	TTCGAGGAG	ACGGGCGAAC	CTGCTATGAT	2220
ATTGATGAAT	GTTTCAAGAA	ACCCTCAGTG	TGTGGGAGCC	ACACAATCTG	CAATAATCAC	2280
CCAGGAACCT	TCCGCTGCGA	GTGTGTGGAG	GGCTACCAGT	TTTCAGATGA	GGGAACGTGT	2340
GTGGCTGTCT	TGGACAGCGG	CCCCATCAAC	TACTGTGAAA	CTGGCCTTCA	TAACTGCGAC	2400
ATACCCCAGC	GGGCCCAGTG	TATCTACACA	GGAGGCTCCT	CCTACACCTG	TTCTGTCTTG	2460
CCAGGCTTTT	CTGGGGATGG	CCAAGCCTGC	CAAGATGTAG	ATGAATGCCA	GCCAAGCCGA	2520
TGTCACCCCTG	ACGCCTTCTG	CTACAACACT	CCAGGCTCTT	TCACGTGCCA	GTGCAAAACCT	2580
GGTTATCAGG	GAGACGGCTT	CCGTTGCGTG	CCCGGAGAGG	TGGAGAAAC	CCGGTGCCAG	2640
CACGAGCGAG	AACACATTCT	CGGGCGACGC	GGGGCGACAG	ACCCACAGCG	ACCCATTCTT	2700
CCGGGGCTGT	TCGTTTCTGA	GTGCGATGCG	CACGGGCACT	ACGCGCCAC	CCAGTGCCAC	2760
GGCAGCACCG	GCTACTGCTG	GTGCGTGGAT	CGCGACGGCC	GCGAGGTGGA	GGGCACCAGG	2820
ACCAGGCCCC	GGATGACGCC	CCCGTGCTCG	AGTACAGTGG	CTCCCCCGAT	TCACCAAGGA	2880
CCTGCGGTGC	CTACCGCCGT	GATCCCCCTT	CCTCCTGGGA	CCCATTTACT	CTTTGCCCCAG	2940
ACTGGGAAGA	TTGAGCGCCT	GCCCCCTGGG	GGAAATACCA	TGAGGAAGAC	AGAAGCAAAG	3000
GCGTTCTCTT	ATGTCCCGGC	TAAAGTCATC	ATTGGACTGG	CCTTTGACTG	CGTGGACAAG	3060
ATGGTTTACT	GGACGGACAT	CACCTAGCCT	TCCATTGGGA	GAGCTAGTCT	ACATGGTGGG	3120
GAGCCAACCA	CCATCATTAG	ACAAGATCTT	GGAAGTCCAG	AAGGTATCGC	TGTTGATCAC	3180
CTTGCGCGCA	ACATCTTCTG	GACAGACTCT	AACCTGGATC	GAATAGAAGT	GGCGAAGCTG	3240

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GACGGCACGC	AGCGCCGGGT	GCTCTTTGAG	ACTGACCTGG	TGAATCCCAG	AGGCATTGTA	3300
ACGGATTCCG	TGAGAGGGAA	CCTTTACTGG	ACAGACTGGA	ACAGAGATAA	CCCCAAGATT	3360
GAAACTTCCT	ACATGGACGG	CACGAACCGG	AGGATCCTTG	TGCAGGATGA	CCTGGGCTTG	3420
CCCAATGGAC	TGCACCTCGA	TGCGTTCTCA	TCTCAGCTCT	GCTGGGTGGA	TGCAGGCACC	3480
AATCGGGCGG	AATGCCTGAA	CCCCAGTCAG	CCCAGCAGAC	GCAAGGCTCT	CGAAGGGCTC	3540
CAGTATCCTT	TTGCTGTGAC	GAGCTACGGG	AAGAATCTGT	ATTTACAGA	CTGGAAGATG	3600
AATTCCGTGG	TTGCTCTCGA	TCTTGCAATT	TCCAAGGAGA	CGGATGCTTT	CCAACCCAC	3660
AAGCAGACCC	GGCTGTATGG	CATCACCACG	GCCCTGTCTC	AGTGTCCGCA	AGGCCATAAC	3720
TACTGCTCAG	TGAACAATGG	CGGCTGCACC	CACCTATGCT	TGGCCACCCC	AGGGAGCAGG	3780
ACCTGCCGTT	GCCCTGACAA	CACCTTGGGA	GTTGACTGTA	TCGAACGGAA	ATGAAGACAA	3840
GAGTGCCCTTA	TTTCTTTTCC	AAGTATTTCA	CAGCAACACT	CTACTTGAAG	CAACTTGGTC	3900
CAGATTGAAA	AGTGTCTCT	GGCTGAGTGG	CCACTAGGCC	CAGACCCAGC	CCAGCCTGAG	3960
CCCCAACAAAC	AACTTTTCCC	TCACTGTTCC	CCAAACATG	CACCCTGGAC	TTCTCTAATA	4020
GAAAAGTCTC	CACCCCTACA	CAAGGACAGA	ACCCTCCACC	CCTACCCCCA	ACCCTCAGAC	4080
AGACTTATAC	ACCCCTGAGT	GAGGATTACA	TGCCCATCCC	AGTGTCTTAG	GACCTTTTCC	4140
CAATACTAGC	CCCCCAGTGG	TGAACAGAAC	CTCCCCAAAT	TGAGTTGCAC	CCTTCCCTGT	4200
GGCCTTATGA	GCTCAGCCTC	GCTTTGAGGT	ACCCACCGTC	CTGTCAGCTC	CTTGACCTAT	4260
GAGCTGGGGG	CTGACTAGGA	AAAGTTGGGA	GTTAAGGAGG	AAATTAGCAT	TCCTTAATGT	4320
TTTGTTTTGG	TGCTCTGAAT	TTCTTCTTTA	TTATAGTCTT	ATAGTTTAC	TCCTCAGTTC	4380
CTCACCATCA	TCATCTTGTC	TAAGACCCCC	ATTATAATAT	TCATGCGCTG	CTTTTTCATC	4440
AAAACCTACC	CTGTCTTAGA	GATCTATGGG	CATTTGGTGG	ATGATAATGA	GCAGCCCCCTC	4500
CCAGATAGAA	TGTCAATATT	TGAGCAGTAG	GATATTGGCA	TTTGTTAGTT	AAAGGCTTAA	4560
ATCAAAAGAA	TGTCCAATGG	TAGGAATTTT	AAGGTGTAGG	TCAGATATTT	GAGAATAGGG	4620
GATTTTTTTT	ATGTGCCTTA	AATTATACCA	AAGATTACTA	ATTATTCCTC	TTTGCCCAA	4680
ATACTTGCA	CCAAGGTTCT	AGTCTCTGTT	GCTGTGCTGG	TCTTTAGCCC	CACTGCTGGC	4740
ACTGATGTCC	CTCCTTTTTT	ACGGAGACCT	ATCTGAGGTA	CAGGATGGGG	CTGGCACCAG	4800
ATGATGTCCC	ACCACAGTCC	CTCACCTCCG	GCCTCCACAT	GACAGAACCA	ATTTACACTC	4860
AACCATGACC	TCACCCCTCC	TTGGTTTCTC	CCTCCCCG			4898

Name: 334 Len: 429 Check: 74D

TGTTTCGGAG	GCNAGCGGGG	CNNGNCNTGT	GACAACTGCC	NGTAGACCTG	GGGCTGCTGA	60
ACCCAGTCCC	GATGGCACCA	CCGGCCACAC	CTACAACCAG	TATACACAGA	GATACAATCA	120
GAGAACAAAC	ACTAACGTAA	ATTGCCCAT	TGAGTGCTTC	ATGCCGCTAG	ATGTGCAAGC	180
TGACAGAGAC	GATTCTCGAG	AGTAATCTTT	CCAGCCCCAC	CCGTACAAGT	GTNTNNCTAC	240
CAAGGTCAAT	CCACACCCCA	GTGATGTTAG	CAGACCCTCC	ATCTTTGAGT	GGTCCTTTCA	300
CCCTTAAGCC	TTTTGTCTGT	GAGCCATGTT	CTCAGCTTCA	GACAATTTAC	AGCTTCTCCA	360
AGCATCGCCC	GTGGATTGTT	TTGAGACTTC	TCTCCTCAAT	GGTGACAGTT	GGTCACCTGT	420
TCTGCTTCA						429

Name: 335 Len: 411 Check: 55

CCCACCGACC	CATCTGCAAA	ATCCCAGGAG	AGCCAAGGAG	GGGGACACAG	GCAGTACCAG	60
TGGCACCAGC	AGCCCCACCAG	CCCCCTGCCG	CCCTGTACCT	TGTATCTCCC	TTTCCCCAGG	120
GCCTGTGCTT	GAACCTGAGG	CACTGCACAC	CCCCACACTC	ATGACCACAC	CCTCCCTAAC	180
TCCTTTTACC	CCCAGCCTGG	TCTTCACCTA	CCCCAGCACT	CCTGAGCCTT	GTGCCCTCAGC	240
TCATCGCAAG	AGTAGCAGCA	GCAGCGGAAG	ACCCATCCTC	TGACCCCTTT	GGCTCTCCAA	300
CCCTCCTCGC	TTTGTGAGGC	GCCTGAGCCC	TACTCCCTGC	AGATGCCACC	CTTAGCCAAT	360
GTCTCCTCCC	CTTCCCCCAC	CGGTCCAGCT	GGCCTGGACA	GTATCCAGAA	A	411

Name: 34 Len: 308 Check: 3A1

CCGCGAGACG	TCGGTGAGGT	GGGACTGGTG	ACTCTCAGAA	GCTCCTCGGT	GCATTTTGT	60
CTCGGCAGAC	TGGGAGGGAG	CAGGCGCTCG	CGGAANACCG	TCACTTACTG	GGTTTGTTC	120
CCTGTTTCCA	GCAAGTTTTG	GTCTTTTGGG	CAGAAGCCTG	TTGACCAACT	GTGGGCCACC	180
ACAGTCTTGC	ACAGAAAGGT	GGCACCCGGA	GTGGTTTGTG	GCCCTCACTA	CCAAAGCCAC	240
GGGAAGCCCA	ATTTCCAGTA	GGATTGCCGG	TTTTGAATTC	TTTTCCCAA	AGCNAAATNG	300
AGTTTNAC						308

Name: 35 Len: 435 Check: 21E

AAAAAGCCAT	TAATATTCAA	ACAAAGGAAT	CACATTTTAA	AAACCCTATA	CATAAGAAAC	60
AGCCTCCAGG	AACATTCAAG	CAGCAGTCAG	GAGGGAAAAA	TGTTTCAATA	GCCCAGTTTT	120
CTTCAAAGTA	TGCCAGAGAA	TACAATCCAA	TTCACTGCTA	CAATTCATAG	AATTNGTCAG	180
TGTTTTCTTG	AGACGCTGAG	GTTCACTGTT	GGCAGTTTCC	AAGTGGCCGC	ATGTGCTGCT	240
CAGAAAGGCC	AGCGNAGACN	AGCTGCCCCG	AAGAACTTTC	ACTGCTGGAA	AACTGCTCCG	300
CTCCCAAGGA	AAGCCCAAGG	AAGGCTGGGC	CGTGGGCTCA	CAACTTCATC	CTTTCTCCAG	360
GGTCATCCAG	CTCCACGTCA	CTTGAGGTCA	ATGTCGTCNT	CCACAGGGAA	GCTCACCATC	420
CTTTGCCATC	CCAGG					435

Name: 36 Len: 505 Check: 2510

CCGGCAACGT	ACACCTTTTT	TATTAAGGGG	CTTCTATTGT	GTTCTGAAGT	TCCATCTCTG	60
------------	------------	------------	------------	------------	------------	----

105

TGACAACATT AATATACTTT AAATACCTGG GATGTGGTCT GGTACATACA TGGTGGATGC 120
 TGTGTGTGTA TTATATATAC TACTATATTA TGAACACCTG AGTCATGGAA GTCCTTGCAA 180
 AGTGTGCCTT AAAATCCTCA ACCTTTTTTAA CTTTTCTCAT ACATCGAAGT CAGTATTCTT 240
 ATGAAGGCCCC CCATATTGAA AAAAGTCACC TTGTCTGAG AGGTGTAGC CATCATCATT 300
 TTCCAGCGGC TGCCATCTTT TATTCTGGGA ACGTTTTCTG GGTCACTGA CATCATTACT 360
 TTGTACTAAG TTTTCCTCGT TGCTTAAAG GCTGCTCTGT AGCAACAAC GTCTCATCCC 420
 TTCAAAGCTT TTCCAAGCAG TTTAGCTATT TGAAAAGGGG GCTTTCTAAC TTCATCTTTT 480
 CAAAATAAAC TGCTGGGCAT GCGTT 505
 Name: 37 Len: 451 Check: A27
 TNTTTTTGAC TTTAAATGAT AAACCTTTTAT TCTGAATATA CTGTTTTTGC ACAAGATTTA 60
 ACACAACATT TTCTGGGATT ATAAATATTT TATAACAGTA TTATACAAAT TTTTACAAAA 120
 TGTTTTTATC AGGCTAGGTA ATTTTCACAA AAGTGTCAAG AGAACAAAAT AAAGGGGAGA 180
 AAAGATCTAT TGTTACAAA AGCCAGTTGG CTTTTTGCAT GAATGCACAC CATTTTAATA 240
 AAAGTATTC TAAAAGCATG ATCCGACACT CATAACAAC AACAAAAAAG ACAGCTTTAC 300
 TAGGTCACAT TATAAACTCA ACTGGCATCT ACACAAGACA GTATCCCATT AGTTTCAGTG 360
 GAATTTGAGA TAACTTGTGT GAACTAGAAA TAAGGTAGAT GAAGAGTTGT CCAATTCTTC 420
 NAAAATCTGG AATTTTTTTT CACACTCCAA N 451
 Name: 38 Len: 245 Check: CCD
 GATTTGCCGT CTTGTACCCT TAAGAGCTAC AGCTAGAGAA ACCTTCACGG GGTGGAGAGA 60
 GGATTCTAAG GCTTTTCTAG CGTGACCTT TTCAGTAGTG CTAGTCCCTT TTTTACTTGA 120
 TCTTAATGGC AAGAAGGCCA CAAAGGTA CTTCCTTTT TAGCTCAGGA AATATGTCAG 180
 GCTCAAACCA CTTCTCAGGC AGTTTAAATG AACTAGTCC ATTGTTACAT GAAGTGATAG 240
 ATAGC 245
 Name: 39 Len: 403 Check: 185
 AATTCAAAGG TAAATACACT GAGTAAAGAG CTACATTCAG AGTTCTCAGA AGTTATGAAT 60
 GAAATCTGGG CTAGTGATCA AATCAGAAGT GCCGTCTTA TCTCATCAA GCCAGGCTGC 120
 TTTATTGCAG GTGCTGATAT CAACATGTTA GCCGCTTGCA AGACCTTCA AGAAGTAACA 180
 CAGCTATCAC AAGAAGCACA GAGAATAGTT GAGAACTTG AAAAGTCCAC AAAGCCTATT 240
 GTGGCTGCCA TCAATGGATC CTGCTGGGA GGAGGACTTG AGGTGGCCAT TTCATGCCAA 300
 TACAGAATAG CAACAAAAGA CAGAAAAACA GTATTAGTA CCTGAAGTT TTGCTGGGGG 360
 CCTTACCAGG AGCAGGAGGC ACACAAAGGG CTGCCAAAA TGG 403
 Name: 4 Len: 433 Check: 1372
 GACTCCTTCA CGTCAGGCTC AGGTTCATG GGAGGACGAA GCAGTGGACG CATTGTGGGC 60
 TTTAGGGACA GATGAGTTT CCAGATAGTG TCAGCTTATT TGAAGATTAA TTTTCTTTGT 120
 TAACTTAAAA TAACTATTTT AACCCTTGAG TGGCTTCTT TTAACCAAAA AACCCTCTTT 180
 CTTTGCTTTT TTATCACAGC AGAATCAGGA TCTCTTCTC ATTCAAGGGG GGAACCACCC 240
 CAGGGTCAGC GCTGCGCCTG CTGTGGCCGC CGCGAGCCAC GNCCTCTGGG ATTCTTTTGG 300
 TACCGTCACT CTTGGCTTGT GCCTTCACA ACTTCTCGGT TGCAGATCCC TATGGGGGGA 360
 AGCTTGCTC AANGTTCTCT GGAACCTGGT CAGAAGCAAG CGCCTGGGTN GGGTGTTCNC 420
 CTGGGGCCAA TTT 433
 Name: 40 Len: 527 Check: 26AF
 GGACAATGAC GGCCTCCAGT GTCCTCCTGC AACTGGACA GAAGATGCCT CTGATTGGTC 60
 TGGGGACATG GAAGAGTGAG CCTGGTCAGG TGAAAGCAGC CATTAAACAT GCCCTTAGCG 120
 CAGGCTACCG CCACATTGAT TGTGCTTCTG TATATGGCAA TGAACTGAG ATTGGGGAGG 180
 CCCTGAAGGA GAGTGTGGG TCAGGCAAG CAGTCCCTCG AGAGGAGCTG TTTGTGACAT 240
 CCAAGCTGTG GAATACTAAG CACCACCCTG AGGATGTAGA ACCTGCCCTC CGGAAGACAC 300
 TGGCTGATCT GCAACTGGAG TATTTGGACC TCTATTTGAT GCACTGGCCC TTAATGCCTT 360
 TGAAGCCGGG GAGACAATCC CCTTTTCCCA AGAAATGCC AATGGGAAC GTCAGATATG 420
 ACTCCAACCT ACTATTAAAG AGACCTGGAA GGCTCTTGA AGTACTGGTG GCNAAAGGGG 480
 CTGGTGAAAG CCCTGGGCNT TGTCCAACCT TCAACAGTCG GCAAGAT 527
 Name: 41 Len: 449 Check: 516
 CATAATTCAG AACAGCACAC TGGGAGAAGC AGAGATTGAG CGTGNGGGNG AGTAATCCTG 60
 AGAGAGATGC AGGAAGTTGA AACCAACTTG CAAGAAGTTG TTTTGTATTA TCTTCATGCG 120
 ACANCTATCA AAATACTGCA CTTGGACGGA CAATTCTGGG ACCAACTGAA AATATCAAAT 180
 CTATAAATCG TAAGGACCTA GTGGATTACA TAACCACACA CTACAAGGGA CCAAGAATTG 240
 TACTGGCTGC CGCCGGAGGT GTTTGCCATA ACGAACTGCT GGAGTTAGCA AAGTTCCATT 300
 TTGGTGACTC TTTGTGCTCA CACAAAGGGA GCTATACCAG CTCTGCCCTC CTGGCAAGTT 360
 CACTGGAAGT GAAGATTCGG GGTGAAGGGA TGACCAGGAT GCCCNTTGGG GAACCTTGGC 420
 AATAACTGGT TTGANCCAAT TTGGTTGGG 449
 Name: 42 Len: 411 Check: 19A6
 TCTTCCTGGC CAATGCGTCT CGGGCGCGCT CAGAGCAGTT CATCAACCTG CGAGAGGTCA 60
 GCACCCGCTT CCGCTGCCA CCGGGGAGT ATGTGGTGGT GCCCTCCACC TCGAGCCCA 120
 ACAAGGAGGG CGACGTTCGT GCTGCGCTTC ATTCTCAGAG AAGAGTGCTG GGAAGTGTTG 180

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GCTGGATGAC	CAGATCCAGG	CCAATCTCCC	CGATGAGCAA	GTGCTCTCAG	AAGAGGAGAT	240
TGACGAGAAC	TTCAAGGCC	TCTTCAGGCA	GCTGGCAGGG	GAGGACATGG	AGATCAGCGT	300
GAAGGAGTTG	CGGACAATCC	TCAATAGGAT	CATCAGCAA	CACAAAGACC	TGCGGACCAA	360
GGGCTTCAGC	TAAGAGTCGT	GCCGCAGCAT	GGGTGAACCT	CATGGATCGT	T	411

Name: 43 Len: 455 Check: 1D9D

TTCTCATTAA	CAACTCCCAC	GGTGGGAAGA	CAGTTTATCA	CTTAGTCTTA	TACTTTTGGG	60
CAGCTCACTT	CTGCACAATT	GAGATACATT	TGAAGAGTAG	TCTGTTTGCA	ATCTGTCTATA	120
TTTTAATCCA	CAAAACAAGG	GAACCTCCCTA	AATTGAACTT	GTCTAAATCC	AGCTTTTCCTC	180
AACCTCCTTC	CTAAGACTTA	GACAAATTAG	TCATTGAGAG	CATCTCCTGA	TTAAATGTTT	240
CCTAGAAGCA	GAGCCATCAA	CAGAGCTGGT	GTCACCTGAA	CAAGAATGGG	AGGTTCCAAA	300
GGGAATACTT	TGAGCTTCA	TGCAAAGTCT	AACTCAGGAG	GGAACAGGCC	TCCCTCCTGG	360
CTGAAGAGAT	GCTCCTTATC	CTGGACAGCA	ATCAGCTGGC	TCTCCTTAAG	AAATGGGTGG	420
GTCAAAGGGC	NACATGAGCT	CATGAAATGT	TCAGT			455

Name: 44 Len: 312 Check: 7C1

CTCACNTGTA	GNAGATATGG	AGCGGAGAGA	CGTTGACTTT	GAGCTTATCA	AAGTAGAAGG	60
CAAAGTGGGC	GGCAGGCTGG	AGGACACTAA	ACTGATTAA	GGCGTGATTG	TGGACAAGGA	120
TTTCAGTCAC	CCACAGATGC	CAAAAAAGT	GGAAGATGCG	AAGATTGCAA	TTCTCACATG	180
TCCATTTGAA	CCACCCAAAC	CAAAAACAAA	GCATAAGCTG	GATGTGACCT	CTGTGGAAGA	240
TTATAAAGCC	CTTCAGAAAT	ACCGAAAAGG	AGAAATTTGA	AGAGATGATT	CAACAAATTA	300
AAGAGACTGG	TT					312

Name: 45 Len: 600 Check: 1915

TCCGGAGCGC	ACGTCGGCAG	TCCGCTCCCT	CGTTGACCGA	ATCACCAGCC	TCTCTCCCCA	60
GCTGTATTTT	CAAAATGTCT	CTTTCTAACA	AGCTGACGCT	GGACAAGCTG	GACGTAAAG	120
GGAAGCGGGT	CGTTATGAGA	GTCGACTTCA	ATGTTCTTAT	GAAGAACAAC	CAGATAACAA	180
ACAACCAGAG	GATTAAAGCT	GCTGTCCCAA	GCATCAAAAT	CTGCTTGGAC	AATGGAGCCA	240
AGTCGGTAGT	CCTTATGAGC	CACCTAGGCC	GGCCTGATGG	TGTGCCCATG	CCTGACAAGT	300
ACTCCTTAGA	GCCAGTTGCT	GTAGAACTCA	AATCTCTGCT	GGGCAAGGAT	GTTCTGTTCT	360
TGAAGGACTG	TGTAGGCCCA	GAAGTGGAGA	AAGCCTGTGC	CAACCCAGCT	GCTGGGTCTG	420
TCATCCTGCT	GGAGAACCCT	CGCTTTTCATG	TGGAGGAAGA	AGGGAAGGGA	AAAGATGCTT	480
CTGGGAACAA	GGTTAAAGCC	GAGCCAGCCA	AAATAGAAGC	TTTCCGAGCT	TCACTTTCCA	540
AGCTAGGGGA	TGTCTATGTC	AATGATGCTT	TTGCACTGTC	ACAGAGCCAC	AGCTCCATGG	600

Name: 46 Len: 598 Check: 154B

TTATGCCAAA	AATGGAGAAC	TACTTAAATA	TATTGCGAAA	ATCGGTTTCT	TGATGAGAC	60
CTGTACCCGA	TTTTACACGG	CTGAGATTGT	GTCTGCTTTA	GAGTACTTGC	ACGGCAAGGG	120
CATCATTCAN	AGGGACCTTA	AACCGGAAAA	CATTTTGTGA	AATGAAGATA	TGCACATCCA	180
GATCACAGAT	TTTGGAAACAG	CAAAAGTCTT	ATCCCCAGAG	AGCAAACAAG	CCAGGGCCAA	240
CTCATTCGTG	GGAACAGCGC	AGTACGTTTC	TCCAGAGCTG	CTCACGGAGA	AGTCCGCCCTG	300
TAAGAGTTCA	GACCTTTGGG	CTCTTGGATG	CATAATATAC	CAGCTTGTGG	CAGGACTCCC	360
ACCATTCGGA	GCTGGAAACG	AGTATCTTAT	ATTTTCAAGG	ATCATTAAGT	TGGAATATGA	420
CTTTCCAGAA	AAATCTTTCC	CTAAGGCAAG	AGACCTCGTG	GAGAACTTTT	TGGTTTTAGA	480
TGCCACANAG	CGGTTAGGCT	GTGAGGAAAT	GGNAGGATAC	GGACCTCTTA	AAGCACNCCC	540
GTNCTTCGAG	TCCGTCACGT	GGGAGANCTG	CACCAGCGAC	GCCTCCGAAG	CTCACCGT	598

Name: 47 Len: 485 Check: 2256

AAATTGAGAA	AGGAGTATTT	GAGGTGAAAT	CCACAAATGG	GGATACCTTC	TTAGGTGGGG	60
AAGACTTTGA	CCAGGCCTTG	CTACGGCACA	TTGTGAAGGA	GTTCAAGAGA	GAGACAGGGG	120
TTGATTTGAC	TAAAGACAAC	ATGGCACTTC	AGAGGGTACG	GGAAGCTGCT	GAAAAGGCTA	180
AATGTGAACT	CTCCTCATCT	GTGCAGACTG	ACATCAATTT	GCCCTATCTT	ACAATGGATT	240
CTTCTGGACC	CAAGCATTTG	AATATGAAT	TGACCCNGTG	CTCAATTTGA	AGGGATTGTC	300
ACTGATCTAA	TCAGAAGGAC	TATCGCTCCA	TGCCAAAAAG	CTATGCAAGA	TGCAGAAGTC	360
AGCAAGAGTG	ACATAGGAGA	AGTGATTCTT	GTGGGTGGCA	TGACTAGGAT	GCCCAAGGTT	420
CAGCAGACTG	TACAGGATCT	TTTTGGCAGA	CCCCAAGTAA	AGCTGTCAAT	CCTGATGANG	480
CTGNG						485

Name: 48 Len: 293 Check: 744

AAAGAAATGA	ATTGCAGCAG	ACTATTAATA	AATTAACCAA	GGACCCTGGA	AGCTGAACAA	60
CAGAAGTTGT	GGAATGAGGA	GTTAAAATAT	GCCAGAGNAN	NGAAGCGATT	GAAACACAAT	120
TAGCAGAGTA	TCACAAATTG	GCTAGAAAAT	TAAAACTTAT	TCCCTAAAGG	TGCTGAGAA	180
TCCAAAGGTT	ATGACTTTGA	AATTAAGTTT	AATCCCCGAG	GCTGGTGCAA	CTTGCTTGT	240
CAAATACAGG	GCNCAAGNTT	TATGTACCCC	CTTAAGGAAC	NCCCGAATGG	AAA	293

Name: 49 Len: 632 Check: A95

GGCACAGAAT	CAAAAGTTTC	TGTGGGAATT	TAAATATATA	AACTTGAAAT	GTATCCACCA	60
CTCAATCAAA	CGTTATCTCA	AGAAGTAGTG	AACACACAGC	TTGCTTTGGA	ACGTCAGAAA	120
ACTGCAGAGA	AAGAGCGATT	ATTTCTTGTA	TATGCTAAGC	AGTGGTGGAG	AGAATATTTG	180
CAAATTCGAC	CCTCACACAA	CTCACGACTG	GTAAAGATTT	TTGCACAGGA	TGAAAATGGG	240

107

ATAAATAGAC CAGTCTGTTT CTATGTTAAA CCACTTCGAG CTGGACGGCT TCTTGATACT 300
 CCAAGGCAAG CAGCAAGATT TGTTAATGTC CTTGGTTATG AACGAGCCCC TGTTATTGGA 360
 GGAGGAGGTA AACAGGAGCA GTGGTGCAT CTGCTGGCCT TTCTCTGTAG AAACAAGGGT 420
 GACTGTGAAG ATCAOGCTAA CCTTCTGTGC AGCCTTCTTC TTGGATATGG ATTAGAAGCC 480
 TTTGTTTGTG TTGGGACCAA GGCAAAAGGA GTACCTCATG CATGGGTTAT GACTTGTGGA 540
 ACTGATGGGG GCATCACTTT TGGGAGAGTT TANAGGACCC AGTACCTCCC TAAACCTACN 600
 AATCCCAGATG AACCTCCANT GCTGAACAGN CC 632

Name: 5 Len: 603 Check: 1CFB

AGGACGACCT CCACTTCATA NAAAACGAGT AGAAGATGAG AGTCTGGATA ACACATGGCT 60
 AAACAGGACT GACACCATGA TTCAGACTCC TGGCCCCCTG CCAGCACCAC AACTCACATC 120
 CACTGTACTG CGGGAGAACA GTCGGCCCAT GGGAGACCAG ATTCAGAAGC CTGAGTCTGA 180
 ACATGGTTCT GAACAGACT TTTTACACAA TCCTCAGATG CAGATCTCTT GGTTAGGCCA 240
 GCCGAAGTTA GAAGACTTAA ATCGGAAGGA CAGAACAGGA ATGAAGTACA TGAAAGTGAG 300
 AACTGGAGTG AGGCATGCTG TTCGGGGTCT AATGGAGGNA GATGCTGAGC CCATCTTTGA 360
 AGATGTGATG ATGTCATCCC GAAGCCAGTT AGAAGATATG AATGGAAGAA TTTGGAGGAC 420
 ACCATGGGTT ATTGATCTGC CTCCCATCAA GAAATCGGCG AGANGAGAGC TGAGCTAAGG 480
 CCCAGACTTC CTTTGACTCT GCCANTTATC CATNGGAGNT GGATTCANGG ATTTGGGAAT 540
 GCCCTATGGT TCCTGAAGTN CTGGGAGGAA ATTTTCCAAA CCTNGGACCC CTATTAAATT 600
 TGG 603

Name: 50 Len: 582 Check: 181

CCAAGCCATC CAAAATCCCC AAGCCCCCTA AGCCCCCTAA GCCCCCAAGG CCCCCCAAAA 60
 CGCTGAAGCT CAAAGATGGA GGCAAGAAGA AAGGGAAGAA GTCCCGGGAG TCAGCCTCAC 120
 CCACCATCCC CAACCTGGAC CTGCTCGAAG CCCACACCAA GGAGGCACTG ACCAAGATGG 180
 AGCCGCCCAA GAAGGGCAAG GCCACAAAGA GTGTCTGAG TGTGCCCAAC AAAGATGTGG 240
 TTCACATGCA GAATGATGTG GAGAGGCTGG AAATTCGAGA GCAAACCAAG AGCAAGTCAG 300
 AGGCCAAGTG GAAGTACAAG AACAGCAAAC CTGACTCCTT ACTGAAGATG GAAGAGGAGC 360
 AGAAGCTAGA GAAGTCGCCT CTAGCTGGAA ACAAGACAA TAAGTTCTCT TTTTCTTTCT 420
 CCAACAAGAA ACTCCTCGGC TCCAAGGCTC TCAGGCCCCC GACGAGCCCT GGTGTGTTCTG 480
 GGGCCTTGCA GAACCTCAAG GAGGACAAGC CCAAGCTCGT GCGGGATGAG TATGAGTACG 540
 TGTCGATGA CGGTGAGCTT CAGATCGACG AGTTTCCCAT CC 582

Name: 51 Len: 523 Check: 1E87

GGTGAGCTGC GACGTGACTG GCTAGCTGCG TGGGTACTGG AACAGCAAA CGAGGCAGCG 60
 AGCGAAGGAC GGGAGCCGGA CCCTGGGCCG CGTGGAACCT CAGCCTGCGC CACCACGTCA 120
 CGCACACGCT CGGCGCTGCG ATCCGCGCAT ATAACGATAT TTGGATTGGA CCTGCATTTT 180
 GGAATTTATC TACACTTAAA ATGCCACCAG CAGTTGGAGG TCCAGTTGGA TACACCCCCC 240
 CAGATGGAGG CTGGGGCTGG GCAGTGGTAA TTGGAGCTTT CATTTCATC GGCTTCTCTT 300
 ATGCATTTCC CAAATCAATT ACTGTCTTCT TCAAAGAGAT TGAAGGTATA TTCCATGCCA 360
 CCACCAGCGA AGTGTCTATG AATATCCTCC ATAATGTTGG CTGTCATGTA TGGTGGAGGT 420
 CCTATCAGCA GTATCCTGGT GAATAAATAT GGAAGTCGTA TAGTCATGAT TGTTGGTGGC 480
 TGCTTGTCAG GCTGTGGCTT GAATTGCAGC TTCNTTCTGT AAN 523

Name: 52 Len: 348 Check: 1165

GCANGCGCAA NTACCGGCGC TCGCCAAGGA CCCTGGAAGC TACCGTTACC CCGCCGGCAG 60
 CGTGGGCNCA TGAGCAGCTC GGGACTGAAT TCGGAGAAGG TAGCTGCTCT GATACAGAAA 120
 CTGAATTCCG ACCCCAGTT CGTACTTGCC CAGAATGTCG GGACCACCCA CGACCTGCTG 180
 GACATCTGTC TGAAGCGGGC CACGGTGCAG CGCGCGCANA TGGTGTTCCT GCACGCCGTG 240
 CCCCAGGAGG GAAAGCCAAT CACCAACCAG AAGAGCTCAG GGCGATGCTG GATCTTTTCT 300
 TGTCTGAATG TTATGAGGCT TCCATTCATG AAAAAGTTAA ATATTGAA 348

Name: 53 Len: 355 Check: 1808

GGCGGCGNCG GCGGCGTANT ANGNAGGGTG CACAGAGAAC ACCCCTAGCA TGAACAGTGT 60
 GAGGATTCCA CCAGCTTTTT CACCATGAAG GAGACAGACC GGGAGCCGTT GCGACANAGG 120
 TGCAAAGGGT TGCTGGGATG CTCCAGCGCC CGGACCAGCT GGACAAGGTG GAGCAGTATC 180
 GCAGGAGAGA AGCGCGGAAG AAGGCCTCCG TGGACANGAA TTTGAAGAGA GCGGATCTGA 240
 AAGCTCAGGT GCGCGATTCT GTCCTGTGGG TCAGCCGTCC TGGGGCCAAG TTGTGGTGTCT 300
 GGCTGAACAG CAGGAACCTC CCGCCCCCAA AGCCAGTTGA AGTTCTTGAC CGTTC 355

Name: 54 Len: 330 Check: 2652

AACNATGCNG TTTTCTCCTT CTACACACTT GGGCGTCTATG TCTGGAGCTG CAGAGGAGGT 60
 GGCCACTGGA GCAGAGGTGG TGGATCTGCT GGTGGCCATG TGTAGGGCAG CTTTAGAGTC 120
 CCCTAGAAAG AGCATCATCT TTGAGCCTTA TCCTCTGTG GTGGACCCCA CTGATCCCAA 180
 GACTCTGGCC TTTAACCTTA AGAAGAAGAA TTATGAAGCG GCTTCAGAAA GCTCTGGGAT 240
 AGTGTGATGT CTATTCCGGG AGATGACCCA GGGCTCATAA TTTGGAAATC AAGAAACAGA 300
 TGGACAAAGT TTGGATCCCC CTGGGCCCAT 330

Name: 55 Len: 451 Check: 1D60

TCNGACAGAA AAGCTGTACG TTATATGTTG GAAATCTTTC TTTTACACA ACTGAAGAAC 60

108

AAATCTATGA ACTCTTCAGC AAAAGTGGTG ACATAAAGAA AATCATTATG GGTCTGGATA 120
 AAATGAAGAA AACAGCATGT GGATTCTGTT TTGTGGAATA TTACTCACGC GCAGATGCGG 180
 AAAACGCCAT GCGGTACATA AATGGGACGC GTCTGGATGA CCGAATCATT CGCACAGACT 240
 GGGACGCAGG CTTTAAGGAG GGCAGGCAAT ACGGCCGTGG NGAATCTGGG GGCCAGGTTT 300
 CGGGATGAAG TATCCGGCAG GACTACCGAT GCTGGGAAGA GGAGGCTAAT GGGAAACTG 360
 GCACAGAACC AGTGAGTGGT TGAGAGCTCT GTCAGTGACA AACACTCCTT TGGCCTGTTT 420
 GAATTTGCTG AAGAACATCA CCTAAAGTCG G 451

Name: 56 Len: 355 Check: 1FCB
 GGATGTGGAG TGATGGGAAC GGTTACATA CTGACTGTGG ATCTCAAGTA TACCATTGAA 60
 AACCCAAGGC ACTTTGTGGA CTCACACCAC CAGAAGCCTG TTAATGCTAT CATCGAGCAT 120
 GTGCGGGACG GCAGTGTGGT CAGGGCCCTG CTCCTCCAG ATTACTACCT GGTTACAGTC 180
 ATGCTGTCAG GCATCAAGTG CCCAACTTTT CGACGGGAAG CAGATGGCAG TGAAACTCCA 240
 GAGCCTTTTG CTGCAGAAGC CAAATTTTTC ACTGAGTCGC GACTGCTTCA GAGAGATGTT 300
 CAGATCATTC TGGAGAGCTG CCACAACCAG AACATTCTGG GTACCATCCT TCATC 355

Name: 57 Len: 468 Check: 291
 TTGTTCTGGA TTCCCGTCGT AACTTAAAGG GAAATTTTCA CAATGTCCGG AGCCCTTGAT 60
 GTCCTGCAAA TGAAGGAGGA GGATGTCCTT AAGTTCCTTG CAGCAGGAAC CCACCTTAGGT 120
 GGCACCAATC TTGACTTCCA GATGGAACAG TACATCTATA AAAGGAAAAG TGATGGCATC 180
 TATATCATAA ATCTCAAGAG GACCTGGGAG AAGCTTCTGC TGGCAGCTCG TGCAATGTT 240
 GCCATTGAAA ACCCTGCTGA TGTCACTGTT ATATCCTCCA GGAATACTGG CCAGAGGGCT 300
 GTGCTGAAGT TTGCTGCTGC CACTGGAGCC ACTCCAATTG CTGGCCGCTT CACTCCTGGA 360
 ACCTTCACTA ACCAGATCCA GGCAGCCTTC CGGGAGCCAG GGCTTCTTGT GGTTACTGAC 420
 CCAGGGCTGA CCACAGCTCT CAAGGGGCAT CTTATGTTAC CTACCTAC 468

Name: 58 Len: 394 Check: E20
 ACAGTGTGCC TTCAGCCCGA GGACTCGGAC TCGGCTCAGA CTCCGGTTCT TTGTTTCCTG 60
 GAAGGTGGCA CGGGGACTCA GGCGGCCAGG GTCGAGGGCC AGGTCCAAGG TCACAGAGCT 120
 TTGGAGGTCA CCTGTAGGCG GTCGCAGGGA CGGCGTTGAG ACAGGAACTC CTTGGGTGGA 180
 CAATGAGCAG GGTGGGAGAC AGGGGCCTGG GATGGGGGAC TCCAGAGGTC AGGGTGTCTT 240
 GGGTTGGAGG GGAGGGGACT CAGGCTCCC AAGCAGGTTT TTAGAACGTT TGTCAATGTA 300
 AAGGCAGATG TTGGACTGTA CCAGGCTCG CTCAGAGACC ACCTGCTCCC GACACTCAA 360
 CGCAGACCTG GGGATCTCGG CAGGTATGAA CTGC 394

Name: 59 Len: 296 Check: 10B1
 GCCAGGCGTA CTGACAGGTG GACCAGCGGA CTGGTGGAGA TGGCGACGCT CTCTCTGACC 60
 GTGAATTCAG GAGACCCTCC GCTAGGAGCT TTGCTGGCAG TAGAACACGT GAAAGACGAT 120
 GTCAGCATTT CCGTTGAAGA AGGGAAAGAG AATATTCTTC ATGTTTCTGA AAATGTGATA 180
 TTCACAGATG TGAATTTCTAT ACTTCGCTAC TTGGCTAGAG TTGCAACTAC AGCTGGGGTA 240
 TATGGCTCTA ATCTGATGGA CCATACTTTA GATTGATCAC TTGGTTGGTA GGTTTA 296

Name: 6 Len: 573 Check: EDF
 GCGACNCGCC GAGCCTCGTC AGCCTGCGCA GCCCCTCACA GGAGGGCCAG CCCGAGTGCA 60
 GTCCAGAAGC CCCCCCAGCG GAGGCGNCAG AGTAAAGAG CAAGCTTTTG TGAGATAATC 120
 GAAGAATTTT TCTCCCCCGT TTGTTTGTG GAGTGGTGCC AGGTACTGGT TTTGGAGAAC 180
 TTGTCTACAA CCAGGGATTG ATTTTAAAGA TGTCTTTTTT TATTTTACTT TTTTAAAGC 240
 ACCAAATTTT GTTGTTTTTT TTTTCTCTCC CCTCCCCACA GATCCCATCT CAAATCATTC 300
 TGTTAACCAC CATTCCAACA GGTCGAGGAG AGCTTAAACA CCTTCTTCCT CTGCTTGT 360
 TCTCTTTTAT TTTTTATTTT TTCGCATCAG TATTAATGTT TTTTGCATAC TTTGCATCTT 420
 TATTCAAAGG TGTAACTTT CTTTGGTCNA ATCTATGGGA CATGGCCCAT ATATGGAAGG 480
 AGATGGGGTG GGGTCAAAAA GGGGATATCA AATGAAAGTG GATAGGGGGC CACAATGGGG 540
 GAAATTGAAG TGGGGGNATA ACATGGCCAA AAT 573

Name: 60 Len: 426 Check: BE0
 CGGGACTCCC GGGAAAGTGA CCGGCAGAAG AGGGGGCTAG CTAGCTAGTC TGTGCGGACC 60
 AGGGAGACCC CCGCGCCCCC CCGGTGTGAG GCGGCCTCAC AGGGCCGGGT GGGCTGGCGA 120
 GCGACGCGCG CGCAGGAGGC TGTGAGGAGT GTGTGGAACA GGACCCGGGA CAGAGGAACC 180
 ATGGCTCCGC AGAACCTGAG CACCTTTTGC CTGTTGCTGC TATACCTCAT CGGGGCGGTG 240
 ATTGCCGGAC GAGATTTCTA TAAGATCTTA GGGGTGCTC GAAGTGCCTC TATAAAGGAT 300
 ATTAAGAGG CCTATAGGAA ACTAGCCCTG CAGCTTCATC CCGACCGGAA CCTGATGAT 360
 CCACAAGCCC AGGAGAAATT CCAGGATCTG GGTGCTGCTT ATGAGGTTCT GTCAGATAGT 420
 GAGAAC 426

Name: 61 Len: 461 Check: 1AA2
 CGCTTCTGT ACAAGGGCGA GGGGCTGAAC AAGATCAGCC ATCGGGGACT ACCTGGGGGA 60
 GAGGGAAGAA CTGAACCTGG CAGTGCTCCA TGCTTTTGTG GATCTGCATG AGTTCACCGA 120
 CCTCAATCTG GTGCAGGCC TCAGGCAGTT TCTATGGAGC TTTCCCTAC CCGGAGAGGC 180
 CCAGAAATTT GACCGGATGA TGGAGGCCTT CGCCCAGCGA TACTGCCCTG GCAACCCTGG 240
 GGTTTTCCAG TCCACAGACA CGTGCTATGT GCTGTCCTTC GCCGTCATCA TGCTCAACAC 300

109

CAGTCTCCAC AATCCCAATG TCCGGGACAA GCGGGGCTTG GAGCGCTTTG TGGCCATGAA 360
 CCGGGGCATC AACGAGGGCG GGGACCTGCC TGAGGAGCTG CTCAGGAACC TGTACGACAG 420
 CATCCGAAAT GAGCCCTTCA AGATTCTTGA GGATGACGGG A 461

Name: 62 Len: 422 Check: 21C3

ATCAACAAGG AGATGCTAAA GGTGGGAAAG CAGAAAGCCT TGGTCAAGGA TACAGAGCTG 60
 GACTTGCAATG GGTATTAGGA GATGCTGAAG AACTGCCCTT TGATGATGAC AAGTTTGATA 120
 TTTACACCAT TGCCTTTGGG ATCCGGAATG TCACACACAT TGATCAGGCA CTCCAGGAAG 180
 CTCATCGGGT GCTGAAACCA GGAGGACGGT TTCTCTGTCT GGAATTTAGC CAAGTGAACA 240
 ATCCCCTCAT ATCCAGGCTT TATGATCTAT ATAGCTTCCA GGTTCATCCCT GTCCTGGGAG 300
 AGGTTCATCGC TGGAGACTGG AAGCCTATCA GTACCTTGTA GAGAGTATCC GAAGTTTCCG 360
 TCTCAGGAAG AGTTCAAGGA CATGATAGAA GATGCAGGCT TTCACAAGGT GACTTACGAA 420
 AG 422

Name: 63 Len: 280 Check: C60

AGAAGTAGAG CAGAAGAAGA AGCGGACCTT CCGCAAGTTC ACCTACCGCG GCGTGGACCT 60
 CGACCAGCTG CTGGACATGT CCTACGAGCA GCTGATGCAG CTGTACAGTG CCGGCCAGGC 120
 GCGGGCTGAA CCGGGGCTTG CCGCGGAAGC AGCACTCCCT GCTGAAGCGC CTGCGCAAGG 180
 CCAAGAAGGA GCGCGCGCCC ATGGAGAAGC CGGAAGTGGT GAAGACGCAC CTTGCGGACA 240
 TGATCATCCT ACCCGAGATG GTGGGCAGCA TGGTGGCGT 280

Name: 64 Len: 408 Check: A6C

CTGGGAGATG AAACAGAGGA AGAAGAAACA AAGCCCATTT AGCTCCCTGT CAAAGAGGAA 60
 GAACCCCTTG AAAAACTGT TGATGTGGCA GCAGAGAAGA AAGTGGTGAA AATTACATCT 120
 GAAATACCAC AGACTGAGAG AATGCAGAAG AGGGCTGAAC GATTTCANTGT ACCTNTGAGC 180
 TTGGAGAGTA AGAAAGCTGC TCGGGCAGCT AGGTTTGGGA TTTCTTCAGT TCCAACAAAA 240
 GGTCTGTCTAT CTGATAACAA ACCTATGGTT AACTTGGGAT AAGCTGAAGG AAAGAGCTCC 300
 AAAGATTTGG TTTGAATGTC TCTTCAATCT CCAGAAAGTC TTGAAGATGA TGAGGAAACT 360
 GAAAAAGAGG GAAGGAGCGA TTTGGGGATT GTCACAAGTT CAGCTGGA 408

Name: 65 Len: 463 Check: 10CC

AGCCGCTGGG GCGAGGACGG CCGGAGGCTG CTGCTGCTGC CCCC GGCCCG CCGCGCTGGA 60
 AACGGAGAGG CCGAGCCAAG CCGCGGCCCC TCTTATGCTG GGAGGATGCT GGAGAGTAGC 120
 GGCTGCAAAG GCTGAAGGAG GCGCTGCTGG AGAAGCGCAG ACNNGGTTGT TGCAGCTCTG 180
 GAAGAAAAAG TGTTCATGCC TCACCGAGGA AGGGCTGCTG CTTATCCCGC CCAAGCAGCT 240
 GCAACACCAG CACGACGACC AACAGCAGCA GCAGCAGCAG CAACAACAGC CCGGGCAGGG 300
 GCCGGCCGAG CCGTCCCAAC CCAAGTGGCC CGCTGTGCGC AGCCTCGAGC CCGCGGTCAA 360
 GCTCAAGGAA CTGCACTTCT CCAACATGAA GACCGTGGAC TGTGTGGAGC GCAAGGGCAA 420
 GTACATGTAC TTCACTGTGG TGATGGCAGA GGGCAAGGAG ATC 463

Name: 66 Len: 512 Check: 111A

CGCCCAAGG GACGTGTTTC TGCGCTCGCG TGGTCAATGA GGCGCTGCCG CTGCTAGCCG 60
 CGACAACTCC GGACCACGGC CGCCACCGAA GCTGCTTCTG CTGCCGCTAC TGCTGTTCTT 120
 GCTGCCGGCT GGAGCTGTGC AGGGCTGGGA GACAGAGGAG AGGCCCCGGA CTCGCGAAGA 180
 GGAGTGCCAC TTCTACGCGG GTGGACAAGT GTACCCGGGA GAGGCATCCC GGGTATCGGT 240
 CGCCGACCA TCCCTGCACC TAAGCAAAGC GAAGATTTCC AAGCCAGCGC CCTACTGGGA 300
 AGGAACAGCT GTGATCGATG GAGAATTTAA GGAGCTGAAG TTAAGTGATT ATCGTGGGAA 360
 ATACTTGGTT TTCTTCTTCT ACCCACTTGA TTTACATTT GTGTGTCCAA CTGAAATTAT 420
 CGCTTTTGGC GACAGACTTG AAGAATTCAG ATCTATAAAT ACTGAAGTGG TAGCATGCTC 480
 TGTGATTCA CAGTTTACCC ATTTGGCTGG GA 512

Name: 67 Len: 367 Check: 9A2

GGAGAGCAAC ATTAGGATCT ACAGCGAGAG GCCCCCTCCT GGCTGAGCAA AGATGACATC 60
 CGAAGAATGC GACTCTTGGC GGACAGCGCA GTGGNCAGGG CTCCGGCCTG TGTCCTCTAG 120
 GAGCGGAGCC GTTGCTGGT GCTGGAGGGG GGGCCACCTG GCGCTGTGCT CCGCTGTGGC 180
 CCTAGCCCTT GTGGGCTTCT CAAGCAGCCC TTGGACATGA GTGAGGTGTT TGCCCTCCAC 240
 CTAGACAGGA TCCTGGGGCT CAACAGGACC CTGCCGTCTG TGAGCAGGAA AGCAGAGTTC 300
 ATCCAAGATG GCCGNCCATG CCCCATCATT CTTTGGGATG CATCTTTATC TTCAGCAAGT 360
 AATGACA 367

Name: 68 Len: 402 Check: 19DD

TGCAGATGTA GATCCTGAAA ACCAGAACTT TTTACTTGAA TCGAATTTGG GGAAGAAGAA 60
 GTATGAAACA GAATTCATC CAGGTACTAC TTCCTTTGGA ATGTCAGTAT TTAATCTGAG 120
 CAATCCGATT GTGGGCAGTG GAATCCTTGG GCTTTCTTAT GCCATGGCTA ATACTGGAAT 180
 TGCTCTTTTT ATAATTCTCT TGACATTTGT GTCAATTTT TCCCTGTATT CTGTTTCATC 240
 CTTTTTGAAG ACTGCCAATG AAGGAGGGTC TTTATTATAT GAACAATTGG GATATAAGGC 300
 ATTTGGATTA GTTGGAAAGC TTGCAGCATC TGGATCAATT ACAATGCAGA ACATTGGAGC 360
 TATGTCAAGC TACCTCTTCA TAGTGAAATA TGAGTTGCCT TT 402

Name: 69 Len: 545 Check: 240C

GCGGCGTGCG GCACGTNNCA GGGCTGAAGC GCGGCGGCG GTGGGGNCTG CACGTAGCCC 60

110

GGCGCTCGGC ATGGCTCTCC TGGTGCTCGG TCTGGTGAGC TGTACCTTCT TTCTGGCAGT 120
 GAATGGTCTG TATTCCTCTA GTGATGATGT GATCGAATTA ACTCCATCAA ATTTCAACCG 180
 AGAAGTTATT CAGAGTGATA GTTTGTGGCT TGTAGAATTC TATGCTCCAT GGTGTGGTCA 240
 CTGTCAAAGA TTAACACCAG AATGGAAGAA AGCAGCAACT GCATTAAAAAG ATGTTGTCAA 300
 AGTTGGTGCA GTTGATGCAG ATAAGCATCA TTCCCTAGGA GGTGAGTATG GTGTTGAGGG 360
 ATTTCTTACC ATTAAGATTT TTGGATCCAA CAAAAACAGA CCAGAAGATT ACCAAGGTGG 420
 CAGAACTGGT GAAGCCATTG TAGATGCTGC GCTGAGTGCT CTGCGCCANT CGTGAAGGAT 480
 CGCTCGGGGG ACGAAGCGGA GGATACAGTT CTGGAAAACA AGGCAGAAGT GATAGTTCAA 540
 GTAAG 545

Name: 7 Len: 487 Check: 1EF0
 TAAGGGTTTC TCTACTATGT CCACTTGGTA AAATGCGGCT GACAATTCCG TGTGCGGGCCC 60
 TTACATGTTT TCATCTACAA TGTTTTGACG CAACTCTTTA CATTCAGATG AATGAGAAAA 120
 AACCAACCTG GGTTTGTCTT GTCTGTGATA AGAAGGCTCC ATATGAACAC CTTATTATTG 180
 ATGGCTTGTT TATGGAAATC CTAAAGTACT GTACAGACTG TGATGAAATA CAATTTAAGG 240
 AGGATGGCAC TTGGGCACCG ATGAGATCAA AAAAGGAAGT ACAGGAAGTT TCTGCCTCTT 300
 ACAATGGAGT CGATGGATGC TTGAGCTCCA CATTGGAGCA TCAGGTAGCG TCTCACCACC 360
 AGTCTCAAAA TAAAAACAAG AAAGTAGAAG TGATTGACCT AACCATAGAC AGTTCATCTG 420
 ATGAAGAGGA AGAAGAGCCA TCTGCCAAGA GGACCTGTCC TTCCCTATCT CCCACATCNA 480
 CCACTAG 487

Name: 70 Len: 359 Check: 19B0
 GCCTACTGCA CCGCCGACCA CAACGTGAGC CCCAACATCT TCGCCTGGGT CTACAGGGAG 60
 ATCAATGATG ACCTGTCTTA CCAGATGGAC TGCCACGCCG TGNAGTGCGA GAGCAAGCTC 120
 GAGGCCAAGA AACTGGCCCA CGCCATGATG GAGGCCTTCA GGAAGACTTT CCACAGTATG 180
 AAGAGCGACG GCGGGATCCA CAGCAACAGC TCCTCCGAAG AGGTTTCCCA GGAATTGGAA 240
 TCCGATGATG GCTGAATGAA CTTTNAGACG CTTNAGCAA GGCAGCATTG GTCACGGGGT 300
 TCAAGGGAAT TAGATTGAGT AAGCAACGTT TCAAATTTGG GATGAAAGAT TTCCAAATT 359

Name: 71 Len: 392 Check: 1BC4
 CTATGTNGCA ATTCCAAGAC CAAGTCAGTA GTATTACAGC TGGCTGATGG CCAGATATTT 60
 AAGTACCTTT GGGAGTCACC TTCTCTGGCT ATTAACCAT GGATGAACTC TGGTGGATTT 120
 CCTGTTCCGT TTCCTATCC ATGCACCCAG ACCGAATTGG CCATGATTGG AGAAGAGGAA 180
 TGTNTCTTGG GTCTGACTGA CAGGTGTGCG TTTTTCATCA ATGACATTGA GGTGCGTCA 240
 AATATCACGT CATTTGCAGT ATATGATGAG TTTTATTGT TGACAACCCA TTCCCATACC 300
 TGCCANTGTT TTTGCCCTGAG GGATGCTTCA TTTAAACAT TACAGGCCGG CCTGAGCAGC 360
 AATTCAATGTG TCCCATGGGG AAGTTTCTGC GG 392

Name: 72 Len: 344 Check: 65D
 GAGTTCACAG ACCGCACTTT GGCACGTTGT CCTCACTGCA GGAAAGTGTC ATCTATTGGG 60
 CGCAGATACC CACGTAAGAN ATGTATCTNC TGCTTCTTGC TTGGCTTGCT TTTGGCAGTC 120
 ACTGCCACTG GCCTTGNCCT TGGCACATGG AAGCATGCAC GCGGATATGG AGGCATCTAT 180
 GCAGCCTGGG CATTNTCAT CCTGTTGGCT GTGCTGTGTT TGGGCCGGGC TCTTTATTGG 240
 GCCTGTATGA AGGTGAGCCA CCTGTCCAG AACTTCTCCT GAGCCTGATG ACCCACAGAC 300
 TGTGCCTGGN CCTCCCTGG TGGGGACAGT GACACTACGA AGGG 344

Name: 73 Len: 311 Check: 1E74
 GTGGGATGGG GTGCCCTTCA TCCTGCGCTG CGGCAAGGCC CTGAACGAGC GCAAGGCCGA 60
 GGTGAGGCTG CAGTTCCATG ATGTGGCCGG CGACATCTTC CACCAGCAGT GCAAGCGCAA 120
 CGAGCTGGTN ATCCGCGTGC AGCCCAACGA GGCCGTGTAC ACCAAGATGA TGACCAAGAA 180
 GCCGGGCATG TTCTTCAACC CCGAGGAGTC GGAGCTGGAC CTGACCTACG GCAACAGATA 240
 CAAGAACGTG AAGCTCCCTG ACGCCTATGA GCGCCTCATC CTGGACGTCT TCTGCGGGAC 300
 CAGATGCAC T 311

Name: 74 Len: 176 Check: 1B5C
 CTGTTCTTGG GAAATGTTTG ATGCTACTCT GAAAGATCGA GAACTGAGCT TTCAGTCGGC 60
 TCCAGGTACT ACCATGTTTC TGCATTGGCT AGTGGGAATG GTATATGTNT TCTACTTTGC 120
 CTCCTTCATT CTACTACTGA GAGAGTACT TNGACCTGGT GTCCTGTGGT TTCTAA 176

Name: 75 Len: 276 Check: 120F
 CCAAGATTGG TTCCAGCGCC AGTACCTGTC AACTCCAGAT AGTCAGTCTC TGCGCTGTGA 60
 CCTCATTCGC TACATCTGTG GGGTAGTCCA NCCTTCTAAT GAAGTACTGA GTTCAGATAT 120
 CTTGCCCCGG TGGGCCATCA TTGGTTGGCT CCTGACAACG TGCACGTCAA ATGTCGCTGC 180
 CTCCAATGCC AAGCTGGCTT TGTTTTATGA CTGSGCTGTT TTTAGTCCAG ACAAGGATAG 240
 CATTATGAAC ATAGAACCAG CCATCCTGGT CATGCA 276

Name: 76 Len: 310 Check: 21A5
 ACACCCTCCT GTGCAATGGG TATTGGCTTG CCTGGCTGAT TCATGTGGGA GAGTCCTTGT 60
 ATGCCATAGT ATTGTGCAAG CATAAAGGCA TCACAAGTGG TCGGGCTCAG CTACTCTGGT 120
 TCCTACAGAC TTTCTTCTTT GGGATAGCGT CTCTCACCAT CTTGATTGCT TACAAACGGA 180
 AGCGCCAAAA ACAAACTTGA AGTTGTCTGA AAGCTTGCTC TACACTTTTA CATTTCATCT 240

111

CACCCCTTTTT TTTGTGGGGT AGAGGAGGTT GCAGTANTTT ACTCAGTGAT CTTTCTACTT 300
TCTAGAAACT 310

Name: 77 Len: 295 Check: 102E
CCTCACTGCT ATGGGCCGCA ACAAGAAGAA GAAGCGAGAT GGTGACGACC GGCGGCCGAG 60
GCTCGTTCTT AGCTTCGACG AGGAGAAGAG GCGGGAGTAC CTGACAGGCT TCCACAAGCG 120
GAAGGTGCGAG CGAAAGAAGG CAGCCATTGA GGAGATTAAG CAGCGGCTGA AAGAGGAGCA 180
GAGGAAGCTT CGGGAGGAGC GCCACCAGGA ATACTTGAAG ATGCTGGCAG AGAGAGAAGA 240
GGCTCTNGAG GAGGCAGATG AGCTGGACCG GTTGGTGACA GCAAAGACGG AGTCG 295

Name: 78 Len: 406 Check: 233D
CAAAAAGCTG GTNGCCTCCA GACCCGACTT TTTCAACCAG GAGCACCAGA CACGGGATGT 60
GGACTGTGCT CTCACAACAG GAGAAGTTTT CAGGTTGCTG GNGGNAGAGG GGGCTCGGGG 120
GGCTACCTGG AGCAGCTGTT CCGGCACGGC GCCCGAGAGC TCTTTGGAAT CCATGTGGCT 180
GAGGTTACCT ACAAACCCCT GAGGAACAAA GACTTCCAGG AGGTGACACT NGAGAAGGAG 240
GGCCAGGTGC TGCTGCACTT CGCAATGGCG TACGGCTTCC GCAACATCCA GAACCTGGTG 300
CAGAGGCTCA AACGAGGGCG CTGCCCTTAC CACTACGTGN AGGTCATGGC CTGCCCTTCA 360
GGCTGCCTGA ACGGCGGGGG GCCAGCTCCA GGTCCAGAC AAGGCC 406

Name: 79 Len: 288 Check: 18D6
AAGAAGGAGA GGAAGGAGAA GAGACGGCAG AGGANGGGGG AAGAGTGACG CCTGCCTGGC 60
CTCACTTGCT TCACGCATGA CAACAACCAC TGGCAGACAG CCCCGTTNTG GAACCTGGGA 120
TCTTTCTGTG CTTCGACGAG TTCTAACAAAT AACACCTACT GGTGTTTGCN TACAGTTAAT 180
GAGACGCATA ATTTNNTTTT CTGTGAGTTT GCTACTGGCT TTTTGGAGTA TTNNGATATG 240
AATACAGATC CTTATCAGCT CACAAATACA GTGCACACGG TTAGAACG 288

Name: 8 Len: 168 Check: E5E
CAAATTTGTG TTGTATATAT TCGTATTCCA TGTGTTAGAT GGAAGCATT TCTATCCAGT 60
GTGAATAAAA AGAACAGTTG TAGTAAATTA TTATAAAGCC GATGATATTT CATGGCAGGT 120
TATTTCTACCA AGCTGTGCTT GTTGGTNTTT TCCCATGACT GTAATGCT 168

Name: 80 Len: 322 Check: 1995
AAACAGCAGC TGGTGGTTAA CAAGTGGATC GTCATGTTCA GTAGTTTATA CATTATGTGA 60
GAAGTAACGT TCTGATTCTT TTTCTTACAC AGAATTGGCA GAGGGGGTCG ATTTGGCAGG 120
AAAGTGTGCG CTATAAACTT TGTTACTGAA GAAGACAAGA GGATTCTTCG TGACATTGAG 180
ACTTTCTACA ATACTACAGT GGAGGAGATG CCCATGAATG TGGCTGACCT TATTTAATTC 240
CTGGGATGAG AGTTTTGGAT GCAGTGCTCG CTGTTGCTGA ATAGGCGATC ACAACGTGCA 300
TTGTGCTTCT TTCTTTTGGG GA 322

Name: 81 Len: 361 Check: 2C4
ATTCTCTAAA ATGCTTAATG CCTTTGAAAT TTTGTAATCA AAAAAAGCT TTGAAAAAAT 60
CTAAAGGGGA GAGTATTCTT TAAAGTTTTT AACATAAGCT TGTCAATGCA CATGTAGATG 120
GTTAGCATGT TTAGCAAACC TTGTGAAATT ATAATAAGTT TGTAGTTACA TGTGAAACTC 180
TAAATGCATG GCAACTGTTA ATGTCATAAC AGTTTAGTTA TTTTGTCTG TTCTGTCTATG 240
TGCCACAAAA TATGTACTTT TTTCACTTTT TTCCCTTTGT ATATCAGTTA CGGGTTACAA 300
CTGGTTCATT CTGAAAACAA CAACAACAAA AGTCCATTCA TATTTTTTAA CCATTGTATA 360
G 361

Name: 82 Len: 206 Check: 7A3
TTTTTTTTTT TAGTAGTTGC AACTTCAGCA CATCTTTATT AGAACTCTTT CATTGTGGGT 60
AAACAGCCAC AAAAATAAAT GCTGACTTAG AAAGTATAAA CGCAAATATT TAAACAAAAA 120
TGTTTGACGC ATTCATAGCG CAAATTGTAC CTGAACTGGA AAGCCGAATT CTGCAGATAT 180
CCATCACACT GGCGGCCGCT CGAGCA 206

Name: 83 Len: 563 Check: 815
CATCAGCTCT CTTCGTTGCT GTGGGAACAC TGGCCAGAGG TGTACCACTG CGAGGCGACT 60
GTTTATACAT GAAAGCATCC ATGATGAGGT TGTAACAGA CTTAAAAAGG CCTATGCACA 120
GATCCGAGTT GGAACCCAT GGGACCCTAA TGTTCTCTAT GGGCCACTCC ACACCAAGCA 180
GGCAGTGAGC ATGTTTCTTG GAGCAGTGGA AGAAGCAAAG AAAGAAGGTG GCACAGTGGT 240
CTATGGGGGC AAGGTTATGG ATCGCCCTGG AAATTATGTA GAACCGACAA TTGTGACAGG 300
TCTTGGCCAC GATGCGTCCA TTGCACACAC AGAGACTTTT GCTCCGATTC TCTATGTCTT 360
TAAATTCAAG AATGAAGAAG AGGTCTTTGC ATGGAATAAT GAAGTAAAC ASGGACTTTC 420
AAGTAGCATC TTTAGCAAGG ATCTGGGCAG AATCTTTTCG TGGCTTGGAC CTAAAGGATC 480
AGACTGTGGC ATTGTAAATG TCAACATTCC AACAAGTGGG GCTGAGATTG GAGGTGCCTT 540
TGGAGGAGAA AAGCACACTG GTG 563

Name: 84 Len: 450 Check: 97B
ATTTGGTGTG TTCATGAACA CGCTAAATGG CTTGGTAAAT GGGTGTGGTT CAAAGCCTGA 60
TGCTTCAAGA TCTCTGGTTT GAATTTGGTC ACAACCAGGA AGTATTGCCC CTTTTTCTGT 120
CTGGTCTCTC AATAGGAACT TTTCATACCA GCCATAAACA ATCCAGATGG CTGCCACGTG 180
GTCCTTACCA GTGAGAGCGG TCACACAGCA CACACTGCAT GAATGGGGAT GAAATCATTC 240
CTGAATTAAT ATAGGGTTAT ATTACTTGGG CCTCAGCCAT TTGAGCCTCA GTGTCTGCAT 300

11.2

CATATGTGTT TAGTATATGG ACATCTAACT GAAATTATTA ACGTGGCAAT TTATGCGTGC 360
 CTTTTTTTGG AATATTCTAT TTTAATGGAA AGAATTATGT AGAAATACTG GATACATTTT 420
 TAAAAACATC CATAATTCAC CATCTTGACA 450

Name: 85 Len: 320 Check: 75F
 CCATTAGTGT TCACACTCAG ACATTTTTCG CCAGCTCTAA GGTAACCTCA TCTATAGCTG 60
 CTCAGACTGA TGCATTTATG GACACCTGTT TCCAGTCAGG TGGGGTCTCC AGAGAAACTC 120
 AAACCAAGTGG GATAGAAAAGT CCAACGGATG ACCATGTACA GATGGACCAA GCTGGAATGT 180
 GCGGAGACAT TTTTGAGAGT GTTCATTTCAT CATATAATGT TGCTACAGGT AACATTATAA 240
 GCAACAGTTT AGTAGCAGAG ACAGTAACTC ATAGTTTGTG ACCTCAGAAT GAGCCTAAGA 300
 CTTTAAATCA AGATATTGAG 320

Name: 86 Len: 524 Check: 1602
 AATTCGGCAC AGGGTGGGTC TTTGAGTTTC AGTGAGTTTG CTGAAATGTC GAAGAAGTAG 60
 TTCCAAACTT CAATGTTCAA TGAAATTTT GTTCAAGTTT GAAATGGAGA GAGCAGCTAT 120
 AAAAGGTACT AAGCCTTTTA CAAATTGGTG AGTACTGGCA CATGAGATCT AGAGCAGGAG 180
 CAACTTCTCA CACATAGTAA GTGGGAAAAG AAAGTGCTTT GAAAGTTCCT CCCTCACCTA 240
 CACAGTAGTC GTCATGTCGA GACCTGCCAG AGAGAGACAC ATTCTCAAGT GAATCCTGGC 300
 TTCTTGGAAG CGCTTGCTTA GACGAGACAC AGTGCATAAA AACAACTTTT GGGGGACAGG 360
 TATGTTTTCT TGCAGCTGCG GTTGTAAGGT CTTGGCAAGA CAAGCAGTGT GGCCAGAATT 420
 TTGAAGTTCT GATGAATGTG TAATGCAAAG GACCTTGATC ATTTTTTTGT TTCAAGGTCC 480
 TCAAAATGAG CACATGAAGA GGTTGCTGTG AAACCTTAAAG TGGC 524

Name: 87 Len: 439 Check: 2297
 CTCTGGGCCC CTCTCTTGGG TCTGTGCTGC AGTCTGGCCG CTGCTGATCG CCACACCGTC 60
 TTCTGGGAACA GTTCAAATCC CAAGTTCCCG AATGAGGACT ACACCATACA TGTGCAGCTG 120
 AATGACTACG TGGACATCAT CTGTCCGAC TATGAAGATC ACTCTGTGGC AGACGCTGCC 180
 ATGGAGCAGT ACATACTGTA CCTGGTGGAG CATGAGGAGT ACCAGCTGTG CCAGCCCCAG 240
 TCCAAGGACC AAGTCCGCTG GCAGTGCAAC CGGCCCAGTG CCAAGCATGG CCCGGAGAAG 300
 CTGTCTGAGA AGTCCAGCG CTTACACCT TTCACCTGG GCAAGGAGTT CAAAGAAGGA 360
 CACAGCTACT ACTACATCTC CAAACCCATC CACCAGCATG AAGACCGCTG CTTGAGGTTG 420
 AAGGTAAGTG TCAGTGCCA 439

Name: 88 Len: 376 Check: 233
 TGAATTGAAG GAGCTGCAAA AAACCTTTGA AATCTCCATT GGGAGAAAAG ATGAGGTGAT 60
 TTCTAGCTTG TCTCATGCCA TAGGAAGCAA AAGGAAAAGA TAGAGTTGAT GAGAACATTC 120
 TTCCACTGGC GAATCGGCCA TGTCAGAGCC AGACAGGATG TTTATGAAGG TAAACTAGCT 180
 GACCAGTACT ACCAGAGAAC TTTACTGAAG AAAGTCTGGA AAGTCTGGCG TTCCGTAGTG 240
 CAAAAGCAGT GGAAGATGT GGTAGAAAAG GCTTGTCAG CAAGAGCTGA AGAAGTTTGT 300
 ATCCAGATTT CCAATGATTA TGAAGCCAAA GTTGCTATGT TATCTGGAGC TTTGGAAAAT 360
 GCAAAAGCTG AGATTC 376

Name: 89 Len: 341 Check: 7BF
 GTGAGAACAG GTCCTACGAG GGCACCTCTGT ACAAGAAGGG GGCCTTCATG AAGCCTTGGG 60
 AGGCCCCGCTG GTTCGTGCTG GACAAGACCA AGCACCAGCT GCGCTACTAC GACCACCGTG 120
 TGGACACAGA GTGCAAGGGT GTCATCGACT TGGCGGAGGT GGAGGCTGTG GCACCTGGCA 180
 CGCCCACTAT GGGTGCCCCCT AAGACTGTGG ACGAGAAGGC CTTCTTTGAC GTGAAGACAA 240
 CGCGTCGCTT TACAACCTCT GTGCCCAGGA CGTGCCCTCG GCCCAGCAGT GGGTGGACCG 300
 GATCCAGAGC TGCCGTGTCGG ACGCCTGAGC CTCCCAGCCC T 341

Name: 9 Len: 219 Check: 327
 AGAGAGTGGT TCAAAGTAGA AGATGCTATC AAAGTTCTCC AGTGTCATAA ACCTGTACAT 60
 GCAGAGTATC TGGAAAAGCT AAAGCTGGGT TGTTCCTCCAG CCAATGGAAA TTCTACAGTC 120
 CCTTCCCTTC CGGATAATAA TGCCTTGTTT GTAACCGCTG CACAGACCTC TGGGTTGCCA 180
 TCTAGTGTAA GATAGAGAGA ACTGGGTAGG CCTCTCCA 219

Name: 90 Len: 394 Check: B4E
 CTGCGGTTA CCAGTTATTA CCCAAGATGG AGATTGGACC AGTATCATCT TCAAGATTTG 60
 GTCACATATTA TGATGCATCA AAAAGAATGC CACAAGAACT AATTGAGGCT TCAAATTGGC 120
 ATGGATTTTT TCTTCCAGAG AAAATATCTT CAACTCTCAA AGTAGAACCC TGTCTTTTGA 180
 CCCCTGGCTA CACAAAGCTG CTTCAAGTTA TCCAGAACAT CATTTATGAG GAAGGATTTG 240
 ATGGATCCAA TCCTCAGAAA AACACAGAGA ACATTTTAA AATAGGAATT CAGAATCTTG 300
 GCTCACCTTT ATGGGGAGAC GATATTTGCT GTGAGAAAAT GGTGGCAACA GTCACAGCCT 360
 TACCAAGTTC CTCTATGTTT TCCGTGGTCT TCTG 394

Name: 91 Len: 153 Check: 1C06
 ACCCATGGGA TGAGTGTGTTT ATTCATGCTG TTTCCAGGAA GGGATGTCAA AGCTGGACCA 60
 GTCGAAACCC TTGGAGGCTT TTTTTCAGT TGGCCACAGG GGTGTTGGAG GCCTGCTTAT 120
 GGGTCCTCGA TGTCGAGAAA CTCCTGCTTG GGG 153

Name: 92 Len: 479 Check: 1FC7
 CATTTGGGCT CTAGATGCAT GCTCGAGCGG CCGCCAGTGT GATGGATATC TGCAGAATTC 60

113

GGCTTAGCGT	GGTCGCGGCC	GAGGTACATT	CTTGTTAGAAC	CGGGTTGCGT	TTTCCAGTTT	120
TGTAGAAAA	TAGATGTTCC	AGCCACCATT	TACTTAACTG	TCTAATATTT	AAGACCAATC	180
AATATGTTCC	CTGGAAAGAT	GAAAAAGTCT	CATGACTAAC	TCGTTTTTTT	AAAAATTCTT	240
TAAAACAAAA	AGTGTGTGTG	TGTGTGTGTG	TGTGTTTACT	CTCAAAGCAC	AGCATTTCCTA	300
CAGCAGCAGC	CAACATGGGG	TTTAGTAGCT	TCACTCACCC	CTAACTAAAG	CTTTGAATAA	360
ACCASTGATT	TACTACAAAA	AACACTGTCC	TTGAAAGAAA	NGACNGCAGT	CATACATGAA	420
CGTGAAACTT	GGAATGATCA	GGTCCTAAAC	ATGGCACTTA	AAAAGTTACT	TATCAAAAC	479

Name: 93		Len: 560		Check: 25DE		
TTTTTTTTTG	CAGTGCCAGG	ATAAAAAGCA	AAATTTTTAA	TTGAAAATG	TCTAGCACTT	60
TACACAGTGG	AATGAAAGAA	TACGAAATTC	AAAAACATTA	TTAAAAGTCC	ATATGCCGCA	120
GCAGCACGCG	CCATGATGAG	AGCTCCCCCT	CCGAGGCGCT	TCTGGAGCAG	CTTCCTCAAC	180
CTGTCCGGGA	GACGGGCTCA	GAAGAGCAGG	GCCCCCATGC	TGCCAACCTC	GCTTTGCTCC	240
TTAACGAAGA	TCTCAAAGTA	CTGGTAGATG	ATTGTGACTG	CGAGCAGGAT	CCCGGTTCCA	300
GACCCAATGG	CGCCTAGGAA	GTCAAGCAGG	ACCGAGAGGG	CCCCGATGCA	CAGCCCACCA	360
AAGGCCGCGG	CTGTGGGGAT	GTACCGGTTG	AGTTCATGGA	CCATGGAGGT	CTCTCGGTGG	420
CCTCTCATCA	CCATCTGCTG	CTCCTTCAGC	TGCTTTGCAA	CATCTTTGGC	AGAGGAACCT	480
GAGACCTCAA	TCCACGTTTT	GGAGAAGAAT	GCACAGGAGC	CCAGCATGAA	CACTATGTAT	540
ACAACGTCAT	GGAACGGGTC					560

Name: 94		Len: 396		Check: 376		
GACCTCTTAC	CTTACTGATG	CTGGCAAATA	ACAAATACAG	ATGGTAATAG	ACTCTGGAAT	60
AGTTCCTCAT	TTGGTTCCCTC	TGCTCAGCCA	CCAGGAAGTT	AAAGTTGAGA	CTGCTGCACT	120
TAGAGCTGTG	GGCAACATTG	TTACTGGAAC	TGATGGGCAA	ACACAAGTAG	TTTTGAAGTG	180
TGATGCTCTT	TCACACTTCC	CAGCACTCCT	GACACATCCC	AAAGAGAAAA	TTAATAAAGA	240
AGCAGTGTGG	TTCCCTCTCCA	ACATCACTGC	AGGAAATCAG	CAGCAGGTAC	AGGCAGTAAT	300
TGATGCCAAT	CTTGTAACAA	TGATAATACA	CCTTTTGGAT	AAGGGGGATT	TTGGCCCAAG	360
CAGCTTCTTT	TTGAGTGCCA	AGTCGACGCG	GCCGGA			396

Name: 95		Len: 622		Check: 9F8		
ATGGAGAGTC	ACTTAATAAT	AAATTTTCTC	TATAGTAGGT	AAATCCGATG	AAAGGCAGCT	60
GATTTCCAAC	AAAAGCTTTA	GGAATTGGGA	AGGTTTCTAC	ATCTCCTTTG	TCATCTTCAA	120
TGTCATCGAA	ATTGCTGCTG	TCTATGTCAC	TGCTGAGTTC	AGGTACTACA	GGAGCTGCCG	180
TTTCTCTTAT	GTTATCCCAA	TGCCACTGAT	CATTCTTAAA	GAAAGGATGC	TGTCTGATTT	240
CTTCCACCCC	ATTTCTCCCA	AGTCGTACCT	CCCTATCTGT	TAAGAAAGCA	CAGATGAGAT	300
TCTTTGCAAT	TTTGGAATTT	TCTGCATCTT	CAGGGAAACA	CAGTGAATTC	TTATGATCCA	360
TAATTTTGCT	ATATGTTTCT	ACAAAGTAAAT	CCGCATAAAA	TGGAGTATCC	CCCACTAGCA	420
TCTCATAAAG	GAAAACACCT	ACAGACCACC	AATCACATTC	TGCCCCATAG	AAACCATCAC	480
CCCCTTGTGA	TTTCAGAACC	TCAGGTGATA	TATAATCCGG	TGTTCCAACT	GCTGTATCAC	540
AATGTACCAT	GCCTGTTTCA	TCCATCTTCA	TACAGGTGCC	AAAATCTGCT	AATTTTAGAT	600
GGTCATGTTT	ATCACAGAGC	AT				622

Name: 96		Len: 445		Check: 123B		
GGAAGGGATG	GAAAAAAGGA	AAAGCAATAG	AAACTGTCCA	ATTCACATCA	GTTATCCGTC	60
TGCTTTTTTCT	TGAGAGCTTG	TGGAAGGTGT	TAACGTGGCT	GGGAACATCA	ACACCTTGGC	120
ATGCATGAAT	GTTAAGTTCAG	GAAGGCCAGC	GATCACCTTG	ATAGCTTCTT	CACTTAGGTG	180
CTCTTCTCTT	TTCGGTTTCC	TGGTAGATGT	GCTTGCTCTC	TCTACTGTAG	ACATGAGTCT	240
TGCAAATGCA	TCAGTCACTT	TGAGGCTTGA	GGTGAGAGAT	TCCAGCTTAG	AAGTTGTTAA	300
CTCATACAAC	TCCGGATCCA	CACCATCTAA	AGGGTTAGTA	AGGCCACTGC	TACTCCAGTC	360
AAACTGGACG	GGTGGTAGAG	ACTCCTGGAA	CTGATCAGAT	GTACATGTGT	TCATATCTGG	420
TGACATGGTG	GCTGTCTGAC	CGATG				445

Name: 97		Len: 541		Check: 147A		
CTTCTTTCTC	TTTATCCTGG	AGCCCCCTTC	TCTCAGGTAC	TAGCGTAGAG	GGTTAACCCA	60
CAGATCATTC	TTGATAATCT	CAGCAATCCT	GTCAGCCTCT	GGGAGGTATG	GTTTGAGAAC	120
CAGCTGAAAA	AGCTGTGGCT	CGCATCCTGG	TTCCCGTGAC	GACGGCCTGG	GGTTCCTGGC	180
CCCGGTGCCA	GCGGATTGGG	GTTGAGTGAG	ACAGCCGCG	GCCTGAGCGG	TTGCGCTGGA	240
ACTCCTTGAC	AATCACCATG	TTTGTAAGT	AGCGGTTAGT	CTGGAAGTAC	AGCTTCATTT	300
TGTAGCCCAT	GGAGATATGT	CTGAGATCCT	GTACCTGCAG	AATGGGTCAA	GTAGCGGAAA	360
AATGTCTTCA	TCACGTCGGT	TGATCAAAAT	TGGAATTCTG	GGGTGGTTTA	GGAACGTATG	420
AGTGGAGTGC	TTTGACCCAG	AAGCCTGGGA	TATGCCGGAT	GATGAGGTCT	CTGCGCTCCA	480
GGAAGGGTCT	TGCGATCTGG	ATGAACTTGC	GCTTGAGACG	CATGAAGGCT	TTGCTGCCTT	540
G						541

Name: 98		Len: 384		Check: 4C9		
ATTTGGACCG	GCATGCAGGC	AACTTCTTTT	GTTGTTACAT	ACCTGTATTA	GGAAAATTAC	60
ACCCATTTTA	CAGAAAAATC	CCAAAACATA	TACTGCAATA	AGCTCAAAAC	AATGTGAAAA	120
AGACCAAGTG	GAATGGCACA	CAAAAATCGC	CTCTTTATAA	ATTAAGTGA	ATTCATGATC	180
ATGAAGTAGG	CACAGGGA	TCCAGTCCTC	AGGGCTTTGC	TCTCTGGAAG	AACACCTTTA	240

114

AGTAATTTT AAAA ACTTTA GCATCAGGCT GCTGAAGCGC TTGACAAAAC TCCTGAATTA 300
 TTTCTGGAGC TACTTGCAAG GAGGGCAGGT ATTCTTGTTG AAGATACTGA ACACATTCTG 360
 GGCCCCGTTT GAGATGAATT GTTT 384

Name: 99 Len: 535 Check: 1D3F

TTTAAATTTA CAAAAGGTAG GCTCCGTTTA TTAGAGTCAC ACACA ACTGA CTATCTCAGT 60
 GTGACTCAAG ACCACAAAA ACCCATTTCT CCTTCACTTC TGAGTCCTGG GGTAAATACC 120
 TAGACCAGCA AGTGTACTGC TTGGGGTCCA TTCACAGGTT TACAAGTTTT TCATTGAGTG 180
 CAATCTGTGA CTGTGTGAGG TTGGCCAGGT AGGTCACCAT CAAAAGGTCA TTGATGTTGC 240
 TGTGAGCAT GGTCTCAAAG TCATCGGGAA CTATTTTCGG TACTTGGTTA ACCAGGCTCA 300
 TCAGGAAGCG GCCCACAGTA TTGTCAGCTG ACACCTTTCC AGACAGTACA TCCTCTGCAT 360
 ATTGCAACAC TGTA CTAGG GCATCCTGGA TCGGAGCTGA TGCCCCCTCCT ACTTGCTGCA 420
 AGTCACTTGA GAGTCCAATC ACTCTGTTGG GGCTAAAGCA GGTCTTCATG ATCAGGTCAA 480
 CTCCGATGCG TTCAGTGTCG TAGTACGCGT ATTTCACTGT CAGAGGGGTG AACAT 535

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01/01 01 10.21

115

Name: 1 Len: 459 Check: 2459
 NAAGCCCTTC ATCGATTTAT AGAGCTTTTC AGAGTGATGG TTTCTCGAGC AGAAATTGAC 60
 ATGTTGGATA TCCGGGCACA CTTCAGAGA CTCTATGGAA AGTCTCTGTA CTCGTTTCATC120
 AAGGGTGACA CATCTGGAGA CTACAGGAAA GTACTGCTTG TTCTCTGTGG AGGAGATGAT180
 TAAAAATAAAA ATCCCAGAAG GACAGGAGGA TTCTCAACAC TTTGAATTTT TTTAACTTCA240
 TTTTTCTACA CTGCTATTAT CATTATCTCA GAATGCTTAT TTCCAATTAA AACGCCTACA300
 GCTGCCTCCT AGGAATATAG ACTGTCTGTA TTATTATTCA CCTATNATTA GGTCCATTAT360
 GGATGCTTTA AAGCTGTACT TGGCATTTC AAAGCNTATA AGGTTATAAT GGGAGGTTTT420
 NAAAGTAGGA NTTAAATATG TATTCCTGT TTTTAAAA 459

Name: 10 Len: 227 Check: 147B
 TTTAAGTGTG TTGCCTGTGA GTGTGACCTC GGAGGCTCTT CCTCAGGAGC TGAAGTCAGG 60
 ATNAGAAACC ACCAACTGTA CTGCAACGAC TGCTATCTCA GATTCAAATC TGGACGGCCA120
 ACCGCCATGT GATGTAAGCC TCCATACGAA AGCACTGTTG CAGATAGAAG AAGAGGTGGT180
 TGCTGCTCAT GTAGATCNAT AAATATGTGT NGTATGTCTT TTTNGCT 227

Name: 100 Len: 452 Check: 17BA
 TGTATCTTTG ATGAGGTTAG TTTTGGTATT ACAGCAAATT TTTTTCTTC TGACAAATCT 60
 GTGCTGTGTT TATATTAAC AAATCTTTAA AAATACGAAT CCTGAGCTAG AGTAAAAACA120
 ACAATTTTGA CTAAAGAATA AATCCCTTCA TTGTTAAACC TAAACAGCTT TAAATTCAG180
 CCATGGAACA TAAGATAAGA CTGGAATTCA AACTTCTGAT GTCCATGGCA AACCTGAATA240
 CTCTCAGCAG AAATAAAACA CACATAGTAG ATAATACACA ATAGTAAAA GCATCAGAAA300
 TTGATGCACC TGGATTTTGT TAAATACAAC AAAGGTCACT CAGTCCTTCA TGGATAAAC360
 TAGCTGGGAG AATAGCACTG AACAGTGTAT TGCATTGAGC AGAAATCCCT CAGAAAGGCA420
 ACACTGGATT CATTTTTAGA CAGGCATAGA CT 452

Name: 101 Len: 447 Check: E33
 TTTTCAATC CTGATAGTTC TTTATTTTTT CAAAATATAT TTGCCATGGG ATGCTAATTT 60
 GCAATAGGTG TCATAATGAG AATAACCCAA ACTGGATAAA TGTGACAAAT GATTGACAAA120
 GCATTTTACA CCCTTCAATT ACACCACATC AAGAATGAGG GGAAAGCGTT GTAAAAGTAG180
 ACTACTGCAA TGCTACTTAT ATTCTTGCAA TAAACCAGC AAGCATCCAT ATCAAGAGAG240
 TTATCATCTC ACTTCCAAC TTTTCCCTC AAGAACAATT TGAATCTCTT TGGCATCCAA300
 AGTCTCATAG GTCAATAAAG CTTCTGCGAG ATTCTTATGC TCCTTTGCAT GAGTTTTCAA360
 GATATGTTTT GCTCGTTCAT ATGAGTCACT TAGAAGGATT CTTATTTTAT GTTCTGATGGC420
 AGATTGGGTT TCTGGACTTA GGTTTCC 447

Name: 102 Len: 368 Check: 1FEC
 TTTTTTCAA AAAAAGAAAT CTTTTAATAA AAATTACTCA TAAAAATCCT AATAAATTTT 60
 AAAGAGCAAG ATATTCCTTA TTACATTTAT AAAAGAACAT TTGGTCCTTT TACAAAAAGA120
 TCCCTTTTAA TTTAAATACA TTTCTTATTT ACAGATTAAA CATAAAATAT CATCTACAGT180
 TGCAAAGCAT ATTGCACATT ACAGAGAAGC ATTTGTGTAT TTCCGTAAGT TTTCCAGAG240
 TTTCCAACCT TATACTTTTT TTTGTAAAAA GATTACCTT TCTTATGCAA AATAAATAAA300
 AATGCAGCTT GTGTTTTGCT ATTTAAACT AAAACAAAAT AACCTTTAAA AATATTATTC360
 CTCTGCCT 368

Name: 103 Len: 685 Check: 1890
 TGGGATCTTT TTTTATTTTT ATACACATGA CAAGATTTTA CACCAATAGT CAGTTAAATA 60
 GTACAAATTT ACATTCAGGA GGAATGTTAA AAAAAATTCA ACTAAAAAAA CCACTTCTTC120
 CTGTGACCCA TAATCCCAAC ATTTTACAGT GCAGGGGAGA AGGAGGCTTG GGGAGCATC180
 CAAAACAAGT CTCTCAAAAG AAATGACTTC AAAACTTCAC ATTCCCTCTC CACACGGGAT240
 TCATAGCGAG AGTATAATTT ACAATTCATC CTCTCTGTA GATTCTTTT CTGTTTCTTC300
 CTCTTCTTCT TCTGTCCCTG CATCCATCTC TTCTCCCTCA TCCTGCTCTG AGTCTTCTGC360
 GTCTTCTGAG GTGTCTTCAA GGCTCTTCTT CTGGTCTTTC CTCCAACGT GCTTCAGGGG420
 CAAAGGTAA ACTGAGGCGA AGATTCTTTC CAATCGAACT CCATACGCT TGGTGTCCGG480
 TAGAAGATAA CCTGACCCAA GTGTTGACGG TTTCAAACAA AACTACAGCA AGAACCATGA540
 CTGTCTGGC AACTTCAACG TCCTTAAATC GCGGAAAAAT GTCTCCGAAC AGGGGGGGGT600
 CTGGAATGAG TTCGAACGTT TTCCTTAGAC CGGCATAGTA ATTTGTAGAG AAAGTCCTTG660
 CCGGCCGGTA AGGCTGTGGC TTCAA 685

Name: 104 Len: 676 Check: EF6
 GCTCATTTTT AATTTTTATT GATTTTTTAA TGCTGCACAA CACAATATTT ATTTCATTTT 60
 GAATTTTCATT TATTTCTTTA TTTCTGTTGC TGCTTTTATT TTATTTACTG AAAGTGAGAG120
 GGAACCTTTG TGGCCTTTTT TTTCTTTTTT TTCTGTAGGC CGCCTTAAGC TTAATAATT180
 TGAACATCT AAGCAAGCTG AAGGGAAGAG GGGTTTTTCA GAATCACTGG GGGAAAAAGG240
 AAAGGTTGCG GTGTTGATCA TGCCCTATGG TGGGTGACCA ACTGCTTGTA CAATTACGT300
 TCACTCTTAA TTAATTGTGC TTAAGGCTGA ATTAATTTG GGTGTTCCCT TCTTAGAGCA360
 GCTCGTATTG GCGGAGATGC ATGCGCTGGA TGAATGCACG GCAGTCGTTG AAGACACGGC420
 GGATGTTCTC AGTGTCCACG GCGCAGGTAA AGTGAGGGTA GCAGTAGTGG CGCCATCTCC480
 ACTAGCAGTG CTGATTCTCA GAACTCATC CCGAATGAAN GTACTTGGCC GGGTCACGCG540

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TGGGTCCTCT CCCGGCTCGG GAGTCGCATC CCTACAGAGT GTGTAGCGAG CGAACTCTGG600
AAAGTAGTCC TCAATCTCGA TTTGCCACCG GGACTTCTCA GCAGCAGGTC TTGCTTGTGT660
AGAAGAGATC ACAAGA 676

Name: 105 Len: 367 Check: 135E
GACGGGAACT GAAACGCGGT CTGGGAGCAG CAAGCCCCAG GGTAGCAGCC GAGGCCCCAG 60
AATGGCCAAG TTTCTTTCCC AAGACCAAAT TAATGAGTAC AAGGAATGCT TCTCCCTGTA120
TGACAAGCAG CAGAGGGGGA AGATAAAAGC CACCGACCTC ATGGTGGCCA TGAGGTGCCT180
GGGGGCAGCC CGACGCCAGG GGAGGTGCAG CGGCACTGCA GACCCACGGG ATAGACGGAA240
ATGGAGAGCT GGATTTCTCC ACTTTTCTGA CCATTATGCA CATGCAAATA AAACAAGAAG300
ACCCAAAGAA AGAAATCTT CTAGCCATGT TGATGGTGGG CAAGGAGAAG AAAGGTTACG360
TCATGGC 367

Name: 106 Len: 440 Check: 1B8A
GGTGTGCTCG GATGAGTGGT AGCGTCGGAA ATGAGGAGCA GAGGCGCAA TTTTGCCCGAG 60
CGCTCTGTAC CATGGAGAAG TTTGCTTCTT ACTGCCTCAC TGAACCAGGA AGTGGGAGTG120
ATGCTGCCTC TCTTCTGACC TCCGCTAAGA AACAGGGAGA TCATTACATC CTCAATGGCT180
CCAAGGCCCT CATCAGTGGT GCTGGTGGT CAGACATCTA TGTGGTCATG TGCCGAACAG240
GAGGACCAGG CCCCAAGGCA TGCTCATGCA TAGTTGTTGA GAAGGGGACC CCTGGCCTCA300
GCTTTGGCAA GAAGGAGAAA AAGGTGGGGT GGAACCTCCA GCCAACACGA GCTGTGATCT360
TCGAAGACTG TGCTGTCCCT GTGGCCAACA GAATTGGGAG CGAGGGGCAG GGCTTCCTCA420
TTGCCGTGAG AGGACTGAAC 440

Name: 107 Len: 442 Check: 19D2
GCACACCTGT AGTCTAGCT ACTCAGGAGG CTGAGGTATG AGAATCGCTT GAACTTGGA 60
GCCGGAGTTA CAGTGAGCCA AGATTGCGCC ACTGCCTCC AGCCTGGCG ACAGAGCGAG120
ACCTGTCTC AAAAAAAAAA AAAAAGATGA TGTAACCTC ACAGGGCAA GTCTTGTGT180
TTGCTCACCT CTGGGTTATG CTCATAAAAC AAGCTTTTGC CCATGTACCC TAAGTCAGAC240
CCAAGAATGG TGTCTACCAA TGATTGTCTC TTGCCACTTA CCGTACGCAT ACAGAAAGTG300
CGTGTGTTAA TCGGCATACA CAAAGAAGTC GTCCCTTTT TTGTGGTCCA GCACGGAATG360
GCTGTCTGG AAGTAATTTA ACACACTCAA AATGGTNGCG TTCGTGTTAT ACGGTGAAAG420
AGGGGCCAAG CAGATGTCTT GA 442

Name: 108 Len: 453 Check: 6FD
GAGACTGCAT AGGGCTCGGC GTGGGGGGTA TTCTACTATT TTGTAGTGC CCTGGGCATA 60
ACAGCAGGAG CTCATCGTCT GTGGAGCCAC CGCTCTTACA AAGCTCGGCT GCCCCTACGG120
CTCTTTCTGA TCATTGCCAA CACAATGGCA TTCCAGAATG ATGTCTATGA ATGGGCTCGT180
GACCACCGTG CCCACCACAA GTTTTCAGAA ACACATGCTG ATCCTCATAA TTCCCGACGT240
GGCTTTTCT TCTCTACGT GGGTTGGCTG CTGTGCGCA AACACCCAGC TGTCAAAGAG300
AAGGGGAGTA CGCTAGACTT GTCTGACCTA GAAGCTGAGA AACTGGTGAT GTTCCAGAGG360
AGGTACTACA AACCTGGCTT GCTGATGATG TGCTTCATCC TGCCACGCT TGTGCCCTGG420
TATTTCTGGG GTGAACTTT TCAAAACAGT GTG 453

Name: 109 Len: 421 Check: 1318
TTTTTTTGT GCAGAAACAT TCTGAACTAC AAAGCGGCCT ATTTTGTCTT CTGGATATGG 60
AACTCCTTGG GGATCAGAAT AGAAAGCTT TAGCTCAAAA GGCCCCCTTC TCAGAAAGGT120
GAGAACTTTG GAGAAAGGAG CAGCATGGTT TCGACTAAAG ACTTCATGAA CACCTTCAGT180
ATCTTCTGAA TCATGGTTCC AGATCAGAGA TATTGGAAAA GGAAGTGCAT CTGTGACGGA240
AAATTCTCTA ACTTTAAATG CCGGGGAAAG TATTGCACAC TGTAATGCAC ATCCTCTGGC300
TACTGCTTCA TCTGCATTGA GTGTTGTGCT AATATCTTTT CCAAAGAATT TGGCAATTCT360
TTCCTTCACA GCTGGAATTC GTGTAGCGCC TCCATCAATC TCTACTGCAC TCACATCTTC420
T 421

Name: 11 Len: 621 Check: 23BA
CAGGGAAAAA ATATGTTTGA TNCCCCTGGT AACTGTCTCC TTATCTGCAA ANTGACATCC 60
CAACGGATTG CATGCCCTCG GCCTACTGCA AAAGAATCAT CAACCTGGGG CCTGTGCATC120
CCGGACCTCT GAGTCCAGAA CCCCACCCA TGGGTGTCAG GGTATCTGT GGACATTGCA180
AGAATACTTT TCTGTGGACA GAGTTCACAG ACCGCACTTT GGCAGTTGT CCTCACTGCA240
GGAAAGTGTC ATCTATTGGG CGCAGATACC CACGTAAGAG ATGTATCTGC TGCTTCTTGC300
TTGGCTTGCT TTTGGCAGTC ACTGCCACTG GCCTTGCTT TGNACATGGA AGCATGCACG360
GCGATATGGA GGCATCTATG CAGCCTGGGC ATTTGTGATC CTGTTGGCTG TGCTGTGTTT420
GGGCCGGGCT CTTTAATTGG GCCTGTATGA AGGTCCAGCC AACCTGGTCC AGAAATTCTC480
CTGAAGCCTG ATGACCCACA GANCGGTGCC TTGGCCCCCTC CCTGGTNGGG ANCAGTTACA540
CTACGAAGGA AGCTGGGGTA GTTAAAGGGT CCGGGGCTTN TAAGAAGAAG CCAAGCAACT600
TGCTTCCTTT CCCTGGGGAA A 621

Name: 110 Len: 309 Check: 1332
ATAAGAATGC CTGCTAGCAA GGGTTCCAGC AAGGTGGTTG GTTGGTCTGT AAGTCAGTCT 60
TGAGTACTTG AAACAGTTCT GTGTTTGT TTTCCTTA GCGTTTAGAA TAGCCATCAT120
TGTCTGCAA TAGGCAGAGC TATCACGTCC AGGAAAAATG AGGGAGGGAA CCACAGAGGC180

117

AGCGTGAGAT CCAAATACAG CATTCAAAGG TAATTGGTCC AGTGGTGCCT GGGGAGGGAG240
 GAAGGGTGAT ACTCCAGGGT TAGCCGTCTT CTTTTGGGGG TGTGTACAGC CGTTTTTTTC300
 GTGGATCTG 309

Name: 111 Len: 489 Check: 9C2
 CTACTACTAC TAAATTGCGG GCCGCGTCGA CGAAGAAGCA GGTATTTATT TTAATAAAGG 60
 AATGGTTGGT ATTCTAGTTA ATCAAGTAAT TCTTTTATTA GCAAGGCAGA AACTAGTGTT120
 TTTCTATAAA CTTGAATGTT AATTGTACAG GTGTATTTTA CAATTTTGT TTAATTAAAA180
 AAATGTTACT ATATTAATAA TCAACCTGGT CAAAACCTTT CAGGTTTCTT CGTTTGAGTC240
 AGTCGCCTTG ATTCAGAATG TCACGAGCCT TATGATATCA TGCTGAGGCG CCTTGCAAAT300
 CCGACAATTA AGATCCTCCT AGACCTTGAG GTGATCAGCA TAAGAGGCCA GATCCCCTCG360
 AGTCATCTAC ACCTAGCTTC ACCTTATTCT TTAAAGGGCA GAAAATTTGA GACGGTGATC420
 GCCGTAACAG TAAATTTGGC TTACAATTGG GGCACCCCTC CGGTTTAGAA AGAGGAACAC480
 CAGATTGAC 489

Name: 112 Len: 563 Check: 1430
 GGACTCAGAA TTGATGAGAG ACATTTACAG CATGCACATT TTCCTTACTG AAAGGAAACT 60
 CACTGTTGGA GATGTGTATA AGCTGTTGCT ACGATACTAC AATGAAGAAT GCAGAAACTG120
 TTCCACCCCT GGACCAGACA TCAAGCTTTA TCCATTCTA TACCATGCTG TCGAGTCCTG180
 TGCAGAGACC GCTGACCATT CAGGGCAAAG GACAGGGACC TGAGGAGCCG AGCGAATAGC240
 ATCTCCTCCC ACCTCCCACC AGAGACGTCC TGTTTGAGCT GTCAGGTGTA ATATATGAAT300
 TGACTTAAGT TAATATAAAT GTGTACATAA TCCACATTG TAGTCAAGGA CGCAATCTCT360
 TCCACACATG TGCAGTTGTC AGTTGGTACA TCTAACTCC CTCCATCCTG ACTCACGTGG420
 ACTTAGATAT GTTTTGTTC TATTTTCTTC TATGTCAGTT TTTCATTCTT TGATGTTTAT480
 GTCTTTGTC CATCAGATCT CTTGTGATAT CACATGGAAG GTTGTGCTCA GCCTGTCGGG540
 TCTCTTCTT COTGCACATA TAT 563

Name: 113 Len: 587 Check: 2109
 TTTAGCCCTG TGGAAATTATC CTCAATTGCA CATCAGCTGG ATGAGGAGGA GAGGATGAGA 60
 ATGGCAGAA GAGGAGTTAC TAGTGAAGAT TATCGCACGT TTTTACAGCA GCCTTCTGGA120
 AATATGGATG ACAGTGGTTT TTTCTCTATT CAGGTTATAA GCAATGCCTT GAAAGTTTGG180
 GGTTTGAAC TAATCCTGTT CAACAGTCCA GAGTATCAGA GGCTCAGGAT CGATCCTATA240
 AATGAAAGAT CATTTATATG CAATTATAAG GAACACTGGT TTACAGTTAG AAAATTAGGA300
 AAACAGTGGT TTAACCTGAA TTCTCTCTTG ACGGGTCCAG AATTAATATC AGATACATAT360
 CTTGCACITT TCTTGCTCA ATTACAACAG GAAGGTTATT CTATATTTGT CGTTAAGGGT420
 GATCTGCCAG ATTGCGACGT GACCAACTCC TGCAGATGAT TAGGGTCAAC AGATGCATCG480
 ACCAAAACCT ATTGGAGAAG AATTAGCACA ACTAAAAGAG CAAAGAGTCC ATAAGACAGA540
 CCTGGAACGA GTGTTAGAAG CACATGATGG CTCAGGAATG TTAGACG 587

Name: 114 Len: 222 Check: 12B6
 TTTTGAATCA AAATTAACAT CAATATATAG ATTCTAGTAT ATTCTTCTTA AAGCCTTTAG 60
 AAAAGATAAA ATGACATTTT GCAACATATG CCAAACCTCA TGTTTAGTGT ACACTTCTAA120
 TTATTGGCAT AGAGGGATAT AACTGTTAAA TAACCTGAAA TGACACCATG CAATGGTGAA180
 ACTACAGAAG TTGGTGAAAA GAAGTATTTA CATAATGTAA TA 222

Name: 115 Len: 512 Check: 1EAB
 TTTTCTTGA TATGCATAGC TTTTCGGGGT TGGTATTAGA CATGGCTTTC GTAAATAATG 60
 CAGGTGTTTT TGTCATGTGT CACTGCTGGC TCTGTGGCTT CCAGGTAAGC TGGCGGCAGT120
 ACCTTATCTG GTACCTCAAC AGGTGTTGGC TCTTCAGATG TTAGCTCGGT GGACGTGACA180
 TCGGTAGAAG GTTCTGCAGT TTCGGGGGAA TGTTCCGCCG ACAGTTCTGT CTCCTCTACA240
 TCTTTGACTT CAAACTGTCC ACCCTCTTGG TCATCTGCAT GCTCTTTTTT GGA CTGCGGG300
 TGAAGTGACA CCTTGATGGC AATTTGCTGA GGTTGCTCGT GCAGCGATGA GGCGTCCGAG360
 TCAGCGGCAG GGGAGTCGCT CCGCTTCAGA GAGTTGGGGA TTGTGTAGAC CTCATCCCTG420
 TCTGCGGCCT CCTGGCCTCT GGAGTATGCC TCAAAAATTC TGCCCCGGTC CTCCAGCCCA480
 ACCACCTCAT AATCTCCTCC ATGATAGTCC CG 512

Name: 116 Len: 566 Check: A72
 TTTTTTTTTT GTTTTTTAAC CCCCCCGAG AAGCTCTGTC CCCAGCTGAT GCCCATGTTG 60
 GAAGAGGCTT TGCGGAGAGG AGCCCATACC AGCGCAAAGC TGANCTCCTG GTGCTGGCCG120
 TGCTGTCTGA CGGAGCTGGC GACCACATCA GGCAGAGACT GCTGCCCCCA CTGCTGCAGA180
 TTGTGTGCAA GGGCCTGGAG GACCCCTCGC AAGTTGTACG CAATGCTGCG CTGTTTGGCC240
 TGGGCCAGTT CTCAGAAAAC CTACAGCCCC ATATCAGCAG CTATTCAAGG GAGGTAATGC300
 CACTGCTCCT CGCCTACTTG AAGTCGGTGC CTCTTGGACA CACACACCAC CTAGCCAAGG360
 CCTGCTATGC CCTGGAGAAT TTTGTGGAGA ACCTAGGGCC CAAGGTGCAG CCCTACCTTC420
 CGGAGCTTAT GGAATGCATG CTGCAGCTTC TGAGGAACCC CAGCAGTCCC CGGGCCAAGG480
 AGCTGGCTGT GAGCGCCTG GAGCCATTG CTACGGCTGC CCAGGCCTCG CTGCTGCCCT540
 ACTTCCCTGC CATCATGGAG CACCTG 566

Name: 117 Len: 549 Check: 1602
 CCCTGTGCAA TGTTTAGCTC TCACCCCACT CCCAAGTGCC ATAATTGAAA TAATACTGGT 60

118

TTGGAGAATT AGTACAGATT GGTCATAAAT GCCGCATAAA GTCCGTTAGAT CCAGGTAAAG120
 GTATTTCCAA ATGGCGTAGT AATGCACTGC AGCTGCCGTG GCCACAAACA GTTGCCAGAT180
 GGCGTGGGCA AATGGAATGA TGCCATCACT CTTGAAGAAC ACAACTCCCA AGCAATAAAT240
 TAAGCCCCCA CAGGCAAGTT CCTGAAGTCC ATCGGTGTTG TTCATTGATG TCACCACCAA300
 GGCTGGAGAG AATCCCATTG TGAGATAGAA AAAGAGTTCA ACCACCTTAT ATTTTTCATG360
 GTAGAGAAAT ACATAAATGG TTCCTCCAGC TGCCATGAGC CAGATAAACC AACGCATATG420
 AGATGCCAGG GGTCCAAGTT CACGAAGATT TAACCATGGA GCATAAGAAG CAGCAATGAA480
 GAAATAGATA ACCATTCTAT CACACATGTG AAAACAATGC TCCACTGTCC TTAAGTGGCT540
 CTTTTTCCA 549

Name: 118 Len: 416 Check: 71A

CCGGGGCACA TAAATAGTAT GGCTTAGAAG AAGGCGTGGG TACAGATGTG CAGGAATGCT 60
 AGGTGTGGTT GGTGTATGCC GATTGTAAC TTTATGAGTC CTAGTTGACT TGAAGCGGAG120
 AAGGCTACGA TTTTTTTTGA TGTCATTTTG TGTAAGGGCG CAGACTGCTG CGAACAGAGT180
 GGTGATAGCG CCTAAGCATA GTGTTAGAGT TTGGATTAGT GGGCTATTTT CTGCTAGGGG240
 GTGGAAGCGG ATGAGTAAGA AGATTCCCTG TACAACATA GTGCTTGAGT GGAGTAGGGC300
 TGAGACTGGG GTGGGGCCCT CTATGGCTGA GGGGAGTCAG GGGTGGAGAC CTAATTGGGC360
 TGATTTTACT GCTGCTGCTA GGAAGAAGCC CAATAAGTGG GTGAGGCTTG GTTTAG 416

Name: 119 Len: 405 Check: 23A0

CGGGCCCTTTA CCTGCGACGA CCTGTTCCGC TTCAACAACA TTAAGTTGGA TCCACTTACA 60
 GAAACTTATG GGATTCCTTT CTACCTACAA TACCTCGCCC ACTGGCCAGA GTATTTTCATT120
 GTTGACAGAG CACCTGGTGG AGAATTAATG GGTTATATTA TGGGTAAAGC AGAAGGCTCA180
 GTAGCTAGGG AAGAATGGCA CGGGCACGTC ACAGCTCTGT CTGTTGCCCC AGAATTTCTGA240
 CGCCTTGGTT TGGCTGCTAA ACTTATGGAG TTACTAGAGG AGATTTTCTGA AAGAAAGGGT300
 GGATTTTTTG TGGATCTCTT TGTAAGAGTA TCTAACCAAG TTGCAGTTAA CATGTACAAG360
 CAGTTGGGCT ACAGTGATA TAGGACGGTC ATAGAGTACT ATTCG 405

Name: 12 Len: 409 Check: 8AB

CAGACGCTGC CCAAGGCTTT GTGGGCTGCG CACTCAGCTC CACCATCCAG CGCTTCTACA 60
 AGAACGAGGG AGGTACATGG TCAGTGGAGA AGGTGATCCA GGTGCCCCC AAGAAAGTGA120
 AGGGCTGGCT GCTGCCGAAA TGCCAGGCCT GATCACCAGC ATCTGCTCT CCCTGGACGA180
 CCGCTTCCTC TACTTCAGCA ACTGGCTGCA TGGGGACCTG AGGCAGTATG ACATCTCTGA240
 CCCACAGAGA CCCCCTCTCA CAGGACAGCT CTTCTCTCGGA GGCAGCATTG TTAAGGGAGG300
 CNCTGTGCAA GTGCTGAGGA CGAGGAACATA AAGTCCAGC CAGAGCCCCCT AGTGGTCAAG360
 GGAAACGGG TGGNTGGAGG CCTCAGATGA TCCAGTCAGC CTGGATGGG 409

Name: 120 Len: 318 Check: 266B

CGGACGCAAG TACATCCAGA CAGACAGCGG CCCCTACTGT GTGCCCTGCT ATGACAATAC 60
 CTTTGCCCAAC ACCTGTGCTG AGTGCCAGCA GCTTATCGGG CATGACTCGA GGGAGCTGTT120
 CTATGAAGAC CGCCATTTCC ACGAGGGCTG CTTCCGCTGC TGCCGCTGCC AGCGCTCACT180
 AGCCGATGAA CCCTTCACCT GCCAGGACAG TGAGCTGCTC TGCAATGACT GCTACTGCAG240
 TGCCTTTTCC TCGCAGTGCT CCGCTTGTGG GGAGACTGTC ATGCCTGGGT CCCGAAAGC300
 TGGAAATATG GAGGGCCA 318

Name: 121 Len: 460 Check: 2526

TTTAATCTAA GAATTTCTTT ATTTTATGCA TAATAAAAGG GACTACAAAG AACAGCTGAA 60
 AAGCCAGAAG ACAAGGAAC AAAAATAAAT AATGACGTGT ATTCCAACCC AAACAATGAG120
 AAATCTATGC AACTGACATA TCAGTTCAAT CTATTTCCAG GTCGCTATCC TCACTGTGAC180
 ACGTGGCAGA GTTACGCACA GATGTCAGCA CCAAGACTTC CTTTTCTGGG AGTAATCCAA240
 ATTCCTGGAG AAAAGCTTCA AGGTCCACAG CAAAGAAATC ATCCCCCAGC TGGTCAGTAA300
 CACGAACAAA ATTGCCGATC AATTCACCCC CTTTATAGAT CAGCAGGGCA GGAAGGGCAT360
 TCCTGGTGAA CTGACTGCTG GCGCCAATAA CTGAGCTCTT CACCTTGCAG AACTTGACAG420
 CTGGGTACTC TGCGGCAAGG CAGATCATGC AACCATTAT 460

Name: 122 Len: 672 Check: 13BD

ATAGAGCCTC ACAGCTGCCA GCTGTTCCCG GGCCCGGAAC GTCTGGGTCA GTGAGGTCCC 60
 ATCTGGCAGC CTGACCTGTA TGCCGACACTG GTCTACTACC CGCTTGGTGG GAGGCTCCTG120
 GCTGGGAGAA GAGGGAACAG GACCTGGCTC TGGTGCCACT GGGGGTGGCT GAGAGCCAC180
 ACTGCCACCA TACTTCTTGG CTCTCTCTEC TTTGTCCCTC TCGATCTTTT CTCTAACTCT240
 TTGTCTGGCT GCTAACTCCT CGGCCTTTTC CCTCCGCTC TCCTCAGCAG CCCGGCGCAT300
 CTCATCTTCC TGTAGCCGCT GTCGTGCTGC TGACAACTCT TGCCCTTGTC TCCTGCGCTG360
 CCGTTCCCGG TTCAATGCCT CCGTTCCTC TCTTTCTTCA CGCTCCCGCT GCTTCTGGGG420
 CCACAGCTCC AACATCCCT CTAGTTTGT CCGTCTTTCC TCTTCACTCA AAGNNGGGTT480
 TGCCTTCTCC CGCAGCCAGA AACAGATTCT TCAAGGGCGC CTGGTCCTTG AGGAATTGGG540
 GTCCCGTCCC AAGATATGTC CAAGGGGAGG TTCAAAAGGG TCTTTCAAAA TCGGGTTGGT600
 CTTGGTCTTC AAAAACCAT TCCATGAAAG CTTGAGTCCC CTGTTCCCTT GAAGGGCAA660
 AACTTTCTCC GG 672

Name: 123 Len: 310 Check: D0

119

GCACGAGAAA TATCTGCCTA AGTGGGACCT GTGAAAACAC GAAAGGCTCA TTTATCTGCC 60
ACTGTGATAT GGGCTACTCC GGCAAAAAAG GAAAAACTGG CTGTACAGAC ATCAATGAAT120
GTGAAATTGG AGCACACAAC TGTGGCAAAC ATGCTGTATG TACCAATACA GCAGGAAGCT180
TCAAATGTAG CTGCAGTCCC GGGTGGATTG GAGATGGCAT TAAGTGCACCT GATCTGGACG240
AATGTTCCAA TGGAACCCAT ATGTGCAGCC AGCATGCAGA CTGCAAGAAT ACCATGGGAT300
CTTACCGCTG 310

Name: 124 Len: 302 Check: 144A
GCAGAGCTGG ACCTCCAGAC CCGGATGAGT CTGCGGTCTT TCTGGAGGCC ATCGGGCAGT 60
GCACCAGAAC CGATTTCATCC GGCAGAGCCG CANAGCAGCA GCAGCAACAA CAACGGAGTG120
AAGAGCTGCT AGCAGAGAGA AAGCCTGGGC CTCTGGAGGC GGGAAAGCGGA GACCCAGCCC180
TGGGGAGATG CGGGATCAGA GCCCCAAGGG AAGAGAGTCA AGAGAAGAGA GACTAAGTCC240
GAGGGAGACC AGAGAGAGGA GGCTGGGGAT AGGGGGAGCC CAAGAGTTGA GCCTGAGGCC300
TC 302

Name: 125 Len: 811 Check: 1E88
TTTGAGGTTT GTAAGAATTT TTTAAACAAA ACAGAAATCA CAGTGACCAA GGGAATGCG 60
AGTCTGTGTC TTCCTTGCCC ATGCTGTCTC CCACAGCTCT CCGTGGGTAC TAAATGACGC120
GCCACTGCAT GATGCTTGTC TCTTTCCCGC CCGTGGAGAT GAGGTGGCTG TCTTCACAGA180
GGAAATCGAC ATTGGTGACA TGGCTGCTGT GCGCGCCGTA GATGTGGCTT GGAGCCCTGA240
ACTGCGAGCA GGGGTATGAG AAGAGGTGCA CTTTGCCAAA GTCGTGCGCT GTTGACAGGA300
GTTTCTTCTC ATGGGCCCCG CAGACGGCAT TTATGTTGGT TCCGTCCGAG CCTTCTGGGC360
ACACTCCAAA AAAATGGAAT CCCAAAGTGG AGGTATAGGT AGGCCATTCA ATGTCTCTTG420
TAGTTTTCCAC ACTTACGACT TGCTTACAGG CAGAGGGAAC CCAGTAGAGG ATTTCTGTAG480
CTCCGGAATT TGACACGAGG AACTGTGAGT TTACAGACCA GTCCAGGTGA GTAATGAAGC540
TGGAAATGACC CGAGCACTTG CCCACTCGCG TGTACTTCCT CCCGTTTGTA CTAAAGGCAT600
ATATATAGAT GCAGTTGTCC TGTGAGCCTA TGGTAAAGAA ATTTCCCATC TGGTGAGTAT660
TGCATTACAG AGAAGCCGAC GGTTCATCC TGTGTGAAGG GGGACCAAGT CTTTTGTTTT720
TCGTGTTAAA AACAACCCAC CTCCAGTTA GTGGTTCGAC TTCAACCCAC GACCCCTGAG780
GGATGAAACC AAGAGAAGTG GCCGTTTCT C 811

Name: 126 Len: 456 Check: 11A
TTTTTTTTTT TAAATACAAA AAAACAGCTT TACTCAGACT PTTTGACTGC CATGTCTCTC 60
TTTAGAAGGA CTACAGTTTG GCTACTTGGT CTCTTCTGGG GCAGATGTGG CATCTGAGG120
TGTGTTAGCT TCTGCCGGTG CAGATACAGC TCCTACCACA GTAGGGGTGG TCTCAGATAA180
AGCAGGGATG GCTTCTGGAG TGGAGTGGC TCCTGTCTCA CTGGGGGTGG TGTCAGTTTG240
AAAGGCTGGA GTTTCTTGAC GGCAGCTGGT GTCTGTTGGA CTGGGTATGA TGTCACTTTG300
AACAGTCATG GCCTCTTCTT CTGTTTCCAA TTCTGTTTCT TGATTTTGAA CTTCCTCACC360
CTCTTCTACC ATAGCAGGTG GTAGTTGTAA TAAAGTCTGA TGATAATGAT GTGTAGTCTG420
TATCAAATGC ATGTACATGT TGTATACAAA GTTTGC 456

Name: 127 Len: 292 Check: 281
TTCCGACTCT TTTACATGTT TTTTCGATAG CACTGCCATT TTGGCTGGAC TGGCAGCTTC 60
TGTTATTTCA AAATGGAGAG ATAATGATGC TTTCTCCTAT GGGTATGTTA GAGCGGAAGT120
TCTGGCTGGC TTTGTCAATG GCCTATTTT GATCTTCACT GCTTTTTTTA TTTTCTCAGA180
AGGAGTTGAG AGAGCATTAG CCCCTCCAGA TGTCCACCAT GAGAGACTGC TTCTTGTTC240
CATTCTTGGG GTTGTGGTAA ACCTAATAGG AATATTTGTT TTCAAAAATG GA 292

Name: 128 Len: 433 Check: 51D
GTAATTTTCA AGTTATTTTA ATAACCAGGT TTACATTAAC AGTCACGTGA TGAACTTTTT 60
TCTTTAATGT CAGCTAAACT CAAAACACAG TTTTGTTTAC GGTTCAAACC AAACAGCTCT120
TCACGTTCCA GAGCTGCCTC ACAGCTAGCA CAGNTCACAG GAGATTACTG TCTGTCCATA180
CCCACCAGAC ACAGAAGTGA ACACCCACAC ACCAGTTTTT AAAGAGGGAA CTTACAATGA240
ATGCTGGCTG CCCAGGGCAC CCATGAGTGT ATCTGGGNCT CAAGCTGGAG TTTTCCAGGG300
GAGAAAGCCT GGGAAAGCTT GTGGCAAGGA AGTTGGGNAT TGCCACCCCT ACTGGGAAAG360
GGGTTTCTCA GGGGTTGAGT GAAAATCCCG GGTTAGGNGT CAGCCCTTTG TGGGAAACAT420
GGGCACTTTC AGT 433

Name: 129 Len: 372 Check: 21BF
GATCCAGGAG CCACACAGCT GCCATGGTTC ANAAGGCCCT GGAAACCGAC CCAGGAGATG 60
CCGTGGTTGT CNCGCTTTGC GANTTGCTGA TTCTAACTAT NAAGCCATT GTAAAGGTACC120
TCGAAAGGTG GCCAGAAGTA TCTCCTGCGG CCCTTCTAGC AGGTGGTCCA CCAGCATTGT180
CACTGAAGAA CCAGCGTTGT CTGAGGTTGG GCCACCCGAC TTAGCAAGCA CAAAGGTACC240
CCCAGATGGA GAAAGCATGG AGGAAGAGAC CCCTGGTTCC TCTGTGGGAA TCTTTGGATG300
CAAGCTTCCA GGCTAGCCCT CCACAACAGG AAGATGAGGA GACTGAGAGA AGTGCAAAGG360
AACTTGGAAT GT 372

Name: 13 Len: 439 Check: 1E33
TTCGGGTAAA TTGTAATTTT TTTATTGGAA AACAAATATA CAACTTGGA TGGATTTTGA 60
GGCAAATTGT GCCATAAGCA GATTTTAAGT GGCTAAACAA AGTTTAAAAA GCAAGTAACA120

120

ATAAAAGAAA ATGTTTCTGG TACAGGACCA GCAGTACAAA AAAATAGTGT ACGAGTACCT180
 GGATAATACA CCCGTTTTGC AATAGTGCAA CTTTTAAGTA CATATTGTTG ACTGTCCATA240
 GTCCACGCAG AGTTACAACCT CCACACTTCA ACAACAACAT GCTGACAGTT CCTAAAGAAA300
 ACTACTTTAA AAAAGGCATA ACCCAGATGT TCCCTCATT GACCAACTCC ATCTAAGTTT360
 AGATGTGCAG AAGGGCTTAG ATATATCCAG AGTAAGCCAC ATGCAACATG GTTACTTGAT420
 CAATTTCTA AAATAAGGT 439

Name: 130 Len: 528 Check: 1041
 GAGCGGAGCC GGAGCGGAAG CCGCAGCCGG GCGGCGGGAG CGGCGGGAGC GGGGGAAGCA 60
 GGGCGGGCCG GGCTCCATGG CGCCAGCGGC GTCCGCCTGA NCAGCGCGGG CAACAGCGGC120
 GGGCTCGGCC GGATCGGGCC GCGACACCTC CTGGCCATGG GGGACGTGCT GTCCACGCAC180
 CTGGACGACG CCCGGCGCCA GCACATCGCA GAAAAAACCG GGAAGATCCT GACGGAGTTC240
 CTCCAGTTCT ATGAAGACCA GTATGGCGTG GCTCTCTTCA ACAGCATGCG CCATGAGATT300
 GAGGGCACGG GGCTGCCGCA GGCCAGCTG CTCTGGCGCA AGGTGCCACT GGACGAGCGC360
 ATCGTCTTCT CGGGGAACCT CTTCCAGCAC CAGGAGGACA GTAAGAAGTG NAGAAACCGC420
 TTCAGCCTNT TCCCCACAA CTACGGGCTG GTGCTCTACN AAAACAAAGC NGGTCTATGA480
 GCGGAGGTNC CACCACGAGC CGTCATCAAC AGTGCANGCT ACAAATC 528

Name: 131 Len: 521 Check: 253E
 AGAGGAAATT GATTAGCTAT GGTGTAAGTT TTCGGGAGAG TCATCTGAAT GTTGTATAT 60
 CCATAAGCAA TAGCTGCATC TTCTACAATA TCACATGCAT GGATAATGTC AGCTCTGGTT120
 GGAGGGATTT CAATCTCAAT CTGATTCCCA TCACCTATGA CTTCTGATTT TAAATACATC180
 CTGGTCAGAA GTTTGGCAAG ATTTTCTGGA GTTTCTCTGA TTCCAACCTT TTTGTTAATT240
 AGGTCAGCTC TCACCATCTC CTTTCGGTAA GCTAATTCTG GAAAGGTATG TGATTTTCCA300
 TTAGGAAAAA CCACTTCAGC AGCTTCGACC GTAAATTGAT TCTCACAATA TTTACTGAAC360
 ATGGTGACAA TAATATCAAG AACTATNTTT GCCTTAGTAA AGTCAGTTCC CGTGCAATTC420
 ATAAAAATAT TTCTAGTATN TACTGTTATT CTGGAATGAT CCCATTGAT GATGGGAGGC480
 ATTGAAAAGA CGACACCATT GCTATCATAG ATAAGTGAT A 521

Name: 132 Len: 429 Check: 19CF
 GAGGGGGAGA CGGGGAGCAG ATGCCCTCAA GGGGGTCAA GAGAGGGGAA GGAAATTGCA 60
 CATAAATAAA CCGGATGATT CCAAAATGCAA GGAGTCCTCA GAGCGGAGCG CGGACGGCTT120
 TTCCGGAGTC CTGGGTCTGC ATCTGGCGCC TTGGCCCTG CTCACTCGCG CTCTCCTCCT180
 CCTCCTTCTC CTCTCCTCA CTGCTTGAGC TCCAGGGCCC AGACGTGCTG CGGCCAGCCC240
 GTCCGGCCTT TGGTTTTCTT GTCGTTGCTG CTCACTGTGC TTTTCAAGAT TTCGTTCTGG300
 ACAGAGGAAA GCGGAGGGCG AGAAAAGTGG AAAGAGAAAT TCAGAGAGGA TACCTGGTTC360
 CACACCAACC CGGAGCTTCC TGCGCCGAG GAGACAGTGA ACCAGAGAGG AAAGGATACG420
 ATGGGGGAG 429

Name: 133 Len: 442 Check: 5E9
 TCAAACAATA ACTTGGTATT TTATACTTCT CTATACTTTG TAGCAAATCT TTTTTTGCTG 60
 AATTTAATTT ATAATAAACT TTTTAAATTA CATCTCTCTC TCTTTTTTTT TTTAAATCAA120
 GGCTCTTTTA TGTCAAAATC TTTTTTTAGC TATATTTTAG ATTAACATTT AACATCCCCC180
 CCTTGTGATC TATACCGTTG GATATTCAGG TATTACTGTG TGTGTAACAG CTAAAACAAG240
 AGGGAGGAGG GAAATAAAG GCAGTGAAC TGGACGGATG CATCAACAAC AGCAGATAAA300
 GCTAACCCCT CAGTGACCAT AGCAGCATGT CTTCTGGAAG CTTTACTCT TACCCAGAG360
 ATTTCTCTAG CCCCTTCCCT CTCTCCCTCC TATCCTCAA ACACAAAGCC AACAGTCTGT420
 CCTTTCGCTT TTCTTGAGGA GA 442

Name: 134 Len: 913 Check: F1E
 TTTTTTTTGA TTCCCTCTCA TTTATTCCTT GTGGAAAAAG AAAACACAA ATCTTAAAAA 60
 CTAAAGCAAG TCAGGGAAGC CTGGAAAGAT ACCCAGATTT GATAACATGT TAGAAGGAAA120
 TCCAGGCTAA GGAATCTCAT TTTCTAGCTT TGATCTGGTT GTCAGTTGGG ATGGACTTGC180
 CCAAGTGATG GCCCACAGAA AGGCCAAAT TCTTGTTTTT CTCCTCATCC TGTACCTCTT240
 TTTTCATTAA GAATCCTGCC TGGAAGTTTA GGTCAAAGAG GCTGCTTGGA GCAAAATACA300
 GTGGTGTCTC ATTCCCNAA ATATTTTCC TTCCCCCCCC CAGGCGTTTC TTCATCCTTC360
 AGGATTTGAA TTCGGGCGTC TGCTGGAGTG GCCCAATGCT ATATGTCAGT TGAGGTTCTA420
 AGACTTGAA GCCACAGAA TGCAAGATGC CACTCTGAAT TGGCCAGAGA ATGACATTCA480
 TGTCCCGTG GATCCCTTGC AGAGAGTACA TGGAGCCACT GCCACCAGTG GTGATGGAAA540
 GCACTGCCTT CTTACTCCGG AAGGGTCCCT TGTCATACAT GGCAGCGTAA GTGTAAGCAA600
 ACTCTTCTAT GAACACTCGC TCAAACCAGC CTTTCAGAAT GGCAGGGACT CCCAAACCAC660
 TGCAGGGGGG ACTGGGATAT CACAAAGGTC TGCGGCTTTC CAGCTTCTTT TTGGTCAGCC720
 ACAAATATCT GGGCTCAGAT GGGCTTTCTT TATTAAGCAG AACAAGATTC GCAGGATACT780
 GGAAAGTCCC AGGGTCCCTT CAGTTTACTT GGAAGGGCCT TTTGGGAAAG AAGGGATGGA840
 AATTATGGGA TAAAGGGGCC GATTCACAA CTTCCTTCT TTTTTTTAA GCCGGTGGGC900
 AAGCTCCTTA TGG 913

Name: 135 Len: 750 Check: 1FCD
 TTTTTTTTTT TTGTCATTCA TAGTAAAAGT TTATTGAACA GAAAACCCAG CAAAGGTTTT 60

121

CACCTCCGCA AAGTTCCCTC TAGTTTAAAG TAAAGCACTG CATTTTAAAA AGCAATTATA120
CATAAGTCTT TCCTAGAAAA GTCCTGCTAA AACATGTCTA GCAATTTTCAT TGATTATATA180
AAGTAGTACA CTTAGTGTAA TTTAAACATT CCAACAGGAA TCAAATCGTA CCAGCAGAAC240
CACTTCTGCA TCTATGACTT CTATGTACAA ACACACATGC AGACACACAC ATTTGGAAAA300
GTTCCCTCAAG CATAGACATG CAACACCTAA GGCCTTCTAC GTACAGTGCT TATTAAACTA360
CATAGAGTAT ATATTAAAGC TCTTCAGAAT AAAGACATGA GAAGCCTTGG GCATTNNTTG420
TTCACCAATT TGTATCACGG CTTACGTTT CTGCTTTTGC TTGCTCACA AAGCATATCA480
TCATCCACAC TGTTTTTTTAA AAACCTCATCA TTGCCATGTC CAGGAGAGGC AATCTAGCTG540
GAGTCAGGTG ATCCAGTCCA TTCCTGTCAA AGCCTCCAAC AGCTACAGCA CAAACACCAT600
CAGTNTGCGA TGGCTGGGGG GCCTTCTGGA AGAAGAGAGG CAAAGAAAGT CTTGAAGACA660
AGCCATGCTG TGCTCATAAA GGAGGGGCTG GTCTGCTCGC CATCTAGTAC ATCCCTGTCT720
TGGAGGGAGG TGGGTTGGGG TTTCCATTTT 750

Name: 136 Len: 348 Check: B6B
AAAACGACGG CCAGTGAATT GTAATACGAC TCACTATAGG GCGAATTGGG CCCTCTAGAT 60
GCATGCTCGA GCGGCCGCCA GTGTGATGGA TATCTGCAGA ATTCGGCTTT TGACACCAGA120
CCAACGGTGA ATGGTAGCGA CTGGCGCTCA GCTGGAATTC CGGCTGGGAC TACCGGGTCT180
CACTCCAGAA GAGGCTTCTT CAGAGCATGG TAGTCTTGGG GTTCTAAGAG AATGAGAGTA240
GAAGCTGCAA AACCTCTTGA AACTGGGGCT TGGGAGTCAC ACATGACTTT CTCCACATTC300
TGTTCTGCAA AAGCGAATCA TAAGGACAGC ACAGACTCAA GGGATAAG 348

Name: 137 Len: 505 Check: 1021
AAACGACGGC CAGTGAATTG TAATACGACT CACTATAGGG CGAATTGGGC CCTCTAGATG 60
CATGCTCGAG CCGCCGCCAG TGTTGATGGAT ATCTGCAGAA TTCGGCTTTT KACACCAGAC120
CAACTGGTAA TGGTAGCGAC CGGTTCTCAG CTGGAATTCC GGATTGGTCC AATTGGGTAT180
GAGGAGTTCA GTTATATGTT TGGGATTTT TAGGTAGTGG GTGTTGAGCT TGAACGCTTT240
CTTAATTGGT GGCTGCTTTT AGGCCTACTA TGGGTGTTAA ATTTTTTACT CTCTCTACAA300
GGTTTTTTCC TAGTGTCCAA AGAGCTGTTC CTCTCTTGA CTAACAGTTA AATTTACAAG360
GGGATTTAGA GGGTTCTGTG GGGCAAATTT AAAGTTGAAC TAAGATTCTA TCTTGGACAA420
CCAGCTATCA CCAGGCTCGG TAGGTTTGTT GCCTCTWCCT ATAAATCTTC CCACTATTTT480
TBTACATAGA CGGGTGTTCT CTTTT 505

Name: 138 Len: 513 Check: 117D
AGGGCCGAGT GGAGGTGCTG GTGGAGAGAA ACGGGTCCCT TGTGTGGGGG ATGGTGTGTG 60
GCCAAAACGT GGGCATGGT GAGGCCATGG TGGTCTGCCG CCAGCTGGGC CTGGGATTCG120
CCAGCAACGC CTTCCAGGAG ACCTGGTATT GGCACGGAGA TGTCACAGC AACAAAGTGG180
TCATGAGTGG AGTGAAGTGC TCGGGAACGG AGCTGTCCCT GGCGCACTGC CGCCACGACG240
GGGAGGACGT GGCTGCCCC CAGGGCGGAG TGCAGTACGG GGCCGGAGTT GCCTGCTCAG300
AAACCGCCCC TGACCTGGTC CTCAATGCGG AGATGGTGCA GCAGACCACC TACCTGGAGG360
ACCGGCCCCAT GTTCTGTCTG CAGTGTGCCA TGGAGGAGAA CTGCCTCTCG GCCTCAGCCG420
CGCAGACTGA CCCCACCACG GGCTACCGCC GGCTCCTGCG CTTCTCCTCC CAGATCCACA480
ACAATGGCCA GTCCGACTTC CGGCCCAAGA ACG 513

Name: 139 Len: 340 Check: E2C
TTTTTTTTTT TTTTGAAT GAGTAAATTT ATAGCTTTAT TTGCATACAG AAAAGTGCAT 60
GAGAAAATAA GTATGTACAA AACAGTTGTT TGGCTGATCA TGACTTTCAA AAATTCAACT120
ACCTAGAAAT AGTTACCTCC AGTTTAGCAC ATTTAGGTAT TTGGACATTT AAAGTACTAT180
TTCAAGTCTG TGTTTATAGT GACTGAGTAG GAAGCTGATA GAAAATTATG CCATATATGA240
TCAACTATTA CCATTAAACA TAAAACCACA GGACTTTCTA CTTGGGGCTA ATCAATAGAG300
GGTCATGTGG CCCCTGTCTT GTTTAGCTTC TGAGCATCAC 340

Name: 14 Len: 486 Check: 1FA
GCTAGGAAGA TAGTTGTTAC ATACTGAAGT AGGTTATTAA ATAAAGTAAT GAAATATCTT 60
TGAACATATA TATAAATAGG ACAGGCTTAT ATTCTAACTA GTTTGCGGTG TTTTCAGCTA120
ACTCTATCAC ACCTAACCAT CTGTGTAAGA CTTGATGCAT TTTATATCAT TTTTAGGCTG180
GGCTAGGAAA CAACAAATC ACAGATATCG AAAATGGGAG TCTTGCTAAC ATACCACGTG240
TGAGAGAAAT ACATTTGGAA AACAATAAAC TAAAAAAAAT CCCTTCAGGA TTACCAGAGT300
TGAAATACCT CCAGGTAAAA CATTCTACTT GTGTTGAGTA GNTATTGGGT ATTTTTCTCT360
CAGGTTTTTA ATAACACACT TTAGGCACAC CTCAGCAAAA GGACCAAGTA AGGCAGCAAG420
GGGTGGATTG AAACATAATG ACTCTCCAGG TTGCATGAGG TGTTTTAAGA AGTAGGAGAG480
CTTTAN 486

Name: 140 Len: 334 Check: 1A0F
GGCCTTTTTG TTCCAGAAAA ATAGAGGGGA TCTCTGTGGA GCCTCTTTGG TTTTTCATCA 60
ATTCTGGGGG TATTAAAACT AGCCATTTC CTAACGAGGG CCAAAGCAAT TCCAGAGGCT120
TGAACACCTG GCTTTTTTGA GTTTTTATTCC CATTGTAGCC CATATCAATT CCATTACTGG180
GGGAGGATGG ACCAATTCGA AAGACGTGAC AAAACATTCT CACAATCCTT AAAAGGCTCT240
TCATTTGAGC ATCATAATTG CTAGAGAGGC TAAGCAGTTT ATGACCATTG GTTGTAGCAA300
CTTCAGCAAG GCTTGTTAGA ATCTTTAGGT ACTG 334

122

Name: 141 Len: 497 Check: 1A2F
 TTAAAGGTTA CACGATTATT TATTGAGAGC CTCCTCTCCC CGCCCTTGCA ATCTCTAGGT 60
 CACTTTCTCC GCTTGTAGAT TTTGCGCGCA AGCCCCAGAA AGACGGCTGG GGGCAGGGGT120
 GCTGCGTACT GTTCAATGAG AGCCATAATG TGGCTGTAAAC TGTCTTCCTC ATATTGCAAG180
 AACACTGCTG GCAGATCCAG CTCCTCATAT AGCGCCTTCA CCGGGGCCAC TTTCTCAGCC240
 TCCTTCTGCC CGTAATTTTC CTTCAGGATC TGGTACTGTT CTGGAGTGGC CCGTTGCAGA300
 CACTGAACCA CCAGCCAGCT GCATTTGTTG TCCTGGATGT CAGTGCCAAT TTTGCCGGTC360
 AACTGGGGT CCCCAGAGAG GTCAAGGTAA TCATCCTGAA TCTGAAAGAA CTCCCCATC420
 TCCAGCAGGA TCTTCTTGGC ATTGGCGTGC TCCTTCTCGC CATCAATTCC TGCCATGTAC480
 ATGGCTGCAG CTATAGG 497

Name: 142 Len: 353 Check: 1801
 TTTTTTTTTT TTTTAGAGAT TGTGTGACT TTTATTCAAT TTGAAATCCG GATTAAAATA 60
 AAAGCAGTGA GAGCAAAGCT TTACAAATAT TACATTACTA CGTCATTGAT ATGGCTTTA120
 CACTGATTGG ATACAGGAAA AAAAAAACC TAACATTAGA ATTAAGGCAG TAACAACATG180
 TGCAAACCCA GCACACCCCG TGACAGTCTT CAGTAGAAAA CTACTCTGGT CAGGTGGTAT240
 CTGACATGGC TGCAATGCAGG TCTCATTGCA TGGAAGGATA GGTCTCTGAAG AGCTTCATTC300
 CTTAAAGGGG AAAAGGACCC TTCTCACTGG CCAACCATGG CCAGGAGCAG CTT 353

Name: 143 Len: 559 Check: 225B
 ATGCTTCACA CTTGGTTTTG TTTATTGAT CATTTAAAAA GAGATATTAA TCTTACCTAT 60
 TGCCATGAAT ATTTCAATTA CATTCAATGA TGTTTTAGCG GATGTCTCCA TGAATAATAA120
 ACTATTGTCA TCTGCATAGG ACTGTGCTTC CTGGAAATCT ACTGCTCTTT TATTGCTAG180
 GTCGGCCTTG TTTCCCGATA AAGCTATTAC AATGTTAGGA CTTGCTTGCC TCTGAAGTTC240
 TTTAACCCAA TTTTTTGCTG TTGCAAAGCA CTCCTCATTT GTGATATCAT ATACAATAT300
 GGCTGCTTGT GCTCCTCTGT AGTACATTGG TGCTAGGCTA TGGTATCGTT CTTGACCAGC360
 TGTATCCCAT ATTTCAAACT TTAGTGTAGT GTCAICAAGA CATAACAGTTT GGGTTAGAAA420
 AGCAGCCCCA ATGGTACTCT CTTGAAATCA TGACATTGGC TTTACAAAA CAAGCACTAG480
 GCTTGATTGG CAACAGCGGA CTCTCCCGA GTACTAGTTT GAACTGCATA TNTATTTC540
 GTATTGGCCC CGTGGGTCT 559

Name: 144 Len: 572 Check: D1C
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 AATATTACAA CCAAAACATA GTATTGATAC AAATTAGACT CCTGTTTACA CTGTAAGGTAL120
 ATGAATGAGG GAATTCCTTA AGTGTTACAG AAAGATTTAG TAGAAATGTT ACCAGTGGTA180
 TGGCTGAAAG AATATTTTCGG TGAAGTGTG TTTATCTCTG AAAACCAAGA GTGAAATGTA240
 GTTCCCATAC AAGTGGAGAG TTAGTCTCTT AACTACAGTA TTTGTTGAAC TGATATCTCT300
 ATGTCTTGGA TATTGGTGAT TTTTGTTTT TAATTAAACA AAGCATTTAA GATTTATTCA360
 TCATAGTCAG ACTTCTGAAT ATAAACAAAC TTTTGGCAA TAATATTTAT ACAGAAAAAT420
 AGTTTTAGAT CCTCTCAAAT CCCAGAAATTA TTCTATAAAA TTACATTATA AATAAATAAA480
 AAGCAAAATC TGTGTGTACAT ATATTTGTAC ATCTATGCAT TTGCCTTGCC TCCTCCTTAT540
 TGTAATGGC ATATTTATGA CTCTTTGCAT AT 572

Name: 145 Len: 402 Check: 1D03
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 AAAATCAATT CCTATGTAAA TAGTACTGAA AATCAACTAA AATGAGTTAA AATTTACAAA180
 GAGTTGTTAA AGGGTTTCAA TCAAAATTAT TAAACTATA CAGTACAATA ACCAATTGAT240
 AACATCTTGA AAGAAGTGCA ATATTTGAGT TCACATATTT TTTAAAGTGC TGCCTACTTA300
 CTCTGACTAG CAAGAATGGA AAGTGAGTCC AACTCACTTT TGCAAAAATA ATGTTGGTTG360
 GTGTTTTAAG CTAGTCTTAT AAAAGTCTTA ATTAATAATCA AG 402

Name: 146 Len: 482 Check: 28
 AGTAGAAACA AAGTATGTTT AATGGTTGCT TTGGAAAGGG GAAGTGGGCA CCTCATGCCA 60
 GGGAGATTTA AAAATGAGAC TTTTCAAGCA AGCACTGCCT ATAGCATAGT CTCATATTTT120
 GAAAATTTAA ACCTAATTTT AATTATATAT AAAGAACTAT TTTAAAAAT CACACCCACA180
 AGTAAAAAAC TGGAATCTG TTTACAAAGT GCAGCGTCAG TACAGCAAAC TCATCTCAAC240
 AAAAGATTAT GTGTGGTTTC TCGGGCTTTA AAACCTCCCT GGTTTCCATT TAAATGCTTT300
 AACATTGAGT CATCCTGCAT ACATGAAAAG CCTGTGTAAT GAAGCCTGGG TCCTTTAACA360
 CCTGCTATTA ATTAATTCCA ACATAAGTGA GTATGAGACC TGNGAAGTAA ATTGTCATCA420
 TCTGATTGAT GAGGTACAGA TTATCTGAAT AAAATTTCTG ACCTGGTTAT GAGTCAGTAA480
 TC 482

Name: 147 Len: 489 Check: 149E
 TTTTTTTTAA CATTCTAAG TTTCTTTATT CTTCATAGTT TTCTAATGAA CAAATAGTTA 60
 GTTTTCCTGA GTAAGATTAT AAAAAAGTTA ACCATTCTTC CAAAAGTATA AAGACAAATA120
 AAATGTCGAC TCATAATACA AATTTTTTAC ATAGCATTAA AGGTGCAGAT ATTGACTGCC180
 CCTCTTCATT ATGATTGGCC CACCCCTTAA AAAGACTGCA ACAGAGGATT CAATTGTCTA240
 AAATACTTCG AAGTACAGAA ATTAATGCT TTAGCCCAT AACAATATCCC TCATCTATTG300

123

TGTTGCTAGG GAACACATGA GCAAAATCTA TCATTGCGAC TTCTACTTCA GCAATCTCTT360
GGCAACCACT GGGAAAGATGG TAGAAAACCT TNTCCAGTTG GGAAAGTACA TTTCCATTTA420
AATGTTCTTG TGACATGCTT TTCCACCCAT TGTCTTGCTC CAGATTTTCA ACTTTCAATG480
AAGTCTGAC 489

Name: 148 Len: 372 Check: DA7
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TTACTGTACT TTTTGGTACC TTTTGGGAAT CTAATGTATT GTAAGGTATT TTACACGTGT120
CCTGATTTTG CCACAACCTG GATATTGAAG CTATCCAAGC TTTTGAAATA AAATTTAAAA180
ACCCCCAAGC CTGGGTGAGT GTGGGATATG CTGTGTGAGA CCTCTTGCTC AGGGTCGAGG240
GAGGCGNGGG GGGGNGNNNC CNNNNNCCCT NNACTTTTNC CTCTTCTGC NNCANGCTCT300
TCCAGCTTGA GGCCCACTTG GGGGGTATCC TTTAAGGACT GCCTTGCCTA GGGCTGGGCC360
CCCCTTTCAA GA 372

Name: 149 Len: 491 Check: CA
GTTTTTAAAA CAAGCAAATT TTATTAAAGG AAAATTTTGC AGGTTTAAGG TTTGCAGGTG 60
AAATTTTGTA GGTGAAAAGG TTTACTTTTC ACCAGTCTGT TCTGGCATGC TTCTAATGAT120
GTCAGAGTCA CCTGGATCAA TGATAGCCAG TGTGCACACT CTGTAGTATT TTCCGCATGC180
TGTGCCCAGT TCAATATTAT TGCCACTGTA GTGATGGACA CCAGTTTATG CCAACATAGC240
ATAGTACTCT ATTTAGATT TCCTCAAAGC TGGGCAGTTG TTAGCGAGAA TGACCAATTT300
CGCTTTGCCT TGTCTGATCA TCTTCAGAGT CTGCTTGTAC CCCAGGACGT ACTTCCCACT360
TTTCATAACG AGTTGGAGCC TAGAGTTGAT CGACTCCAGC GACTTTTTTCG TCTTCTTTGC420
GGCCACCATC TTCCTGCCTT AGGAGCGGGA CGGCCCCCAA CCTAGAAGAG ACAGAGAACA480
GGACAGGAAT T 491

Name: 15 Len: 601 Check: 1356
CGACAACCTGT GCTGACAACC CATGTTCTTG CAGCCAGTCT CACTGTTGTA CACGATGGTC 60
AGCCATGGGT GTCATGTCCC TCTTTTGGCC TTGTTTATGG TGTACCTTC CAGCCAAGGG120
TTGCCTTAAA TTGTGCCAGG GGTGTTATGA CCGGGTTAAC AGGCCTGGTT GCCGCTGTAA180
AAACTCAAAC ACAGTTTGCT GCAAAGTTCC CACTGTCCCC CCTAGGAAC TTTGAAAACC240
AACATAGCAT CATTAATCAG GAATATTACA GTAATGAGGA TTTTCTCTGT CTTTTTTTAA300
TACACATATG CAACCAACTA AACAGTTATA ATCTTGGCAC TGTTAATAGA AAGTTGGGAT360
AGTCTTTGCT GTTGTGGGTG AAATGCTTTT TGTCCATGTG CCGTTTTAAC TGGATATGCT420
TGTTAGAAGT CCAGCTAATG GAGCTCAAAG TATGAGATAC AGAACTTGGG TGANCCATGT480
ANTGCATAAG CTAAAGCAAC ACAGACACTC CTANGCAAAG TTTTGGGTTG GTGAATAGTA540
CCTTGCAAAA CTGTAAATT AGCAGATGAC TTTTTTCCAT GGGTTTCNCC AGAGAGAATG600
T 601

Name: 150 Len: 455 Check: 254B
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ACTCACAAATA TACTTAAGAG TCTGCAACAA GTTACATAGA ATCAGAGGCA CTTCAAAGGC120
TTAAAAAGAC GTTTACAACT TAAATGCATT TTTAAGAACA AAAACTGATT TTTCTTTTAA180
CCTCTACTCG TACCTTCAAA TTGCAAGAAA TTAACAAATA CAGTGGCCAA AGGAATCTGC240
AGCAACTTCT TAAATACTG TTAACATCTT TGGGTTTGCT GAGGCTTGTC AGTAACTTAC300
ATCAAATCCTT CCCAAAAGAA GATCTGATTA GATAGATATG ACTAAACGGT TTTGTAGTAA360
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AAATAAAGCA AGTGTAATAAT GGATAGTCTG AACT 455

Name: 151 Len: 465 Check: B98
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ACAGAAGCGG CGCGGCGCG AGCAGCAGCA GCAGCAGCAG CAATCTCTTC CCGAACACGA240
GCACCACAGG CGCCCGAAGG CCGGAACAGG CGTTTAGAGA AAATGGCAGA CGATATTGAT300
ATTGAAGCAA TGCTTGAGGC TCCTTACAAG AAGGTGAGAA AAAACATGTC GGTGAGGTTT360
ATATATTTCT TAATTTAGCA TTATTCACGA AACTACTGCT GAAATGTAAA CTAACCTTCC420
CGGAGCCCTC TTGATTTATC CTATTAGAGA TGCCTTACCT TGTAC 465

Name: 152 Len: 386 Check: 1BC9
TCCTTCTTAG TTTTCTTCCC AAATGGTTCC TCAGCCCCAG TGCTGGGCCC TGAAATAGGC 60
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TTCTTTAGCA AGTACCTTCT TTCTTCTTTT GCTTTAAGAA ATTTTCTCTC AAGACGAGCA240
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TTGCTGGACT GCANCGGAGC CCGCGG 386

Name: 153 Len: 601 Check: DA2
TTTTTTTATT GGCTTGCTTT TTATTTCTAT GCTTATAAAA AAAATATGAA GCTTCTTTGT 60
GTGGACTGAA GGGGTGTTAG CCTGTGGATG TTGGTCTTCG GTGCCTGTAC CCCAGTGGCT120

601

340

759

703

757

A300

125

TATGTGGATA TATAATACAT ACATATGTAA TAATTTGAGA AGAAAAAAGG CAAAATTCTG360
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Name: 159 Len: 486 Check: E17
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GTTTGTAAGA GTTTTTTCATC TTGACTGGCT GACTGTACAT TCTGTTGCTT AGCAACTGCT180
CTTATCTCCT TCAGGTATTT CTCTCTAACA GACTGGAACC AGTGAAGTGA ATCAAACCTCC240
CGATACTGAT CCAAAGCCTT TAGAATGTAA GCCACACCCA TGGCAAAGCC ATCATCAGTA300
AAGGCAGCTC CAATTTTATT TTTTTTATTT AATTTTTCCT TGCAACTAAT GGAATGCTCT360
ACAAAGTTGA GGGTCAGAGG GGGAAACAATT ATATAGAAAT TTCGGAGATG TATATTCTTT420
GGCCTTCOGAA ATTCTGGAGC AAAAACGTCT ACAAGCATTT TGAAATATTC TGTGCCTTCG480
GCAGAA 486

Name: 16 Len: 511 Check: AC8
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GCGTCATGGT GTCTCATCGT TCGGGGGAGA CTGAAGATAC CTTCATCGCT GACCTGGTTG180
TGGGGCTGTG CACTGGGCAG ATCAAGACTG GTGCCCCCTG CCGATCTGAG CGCTTGGCCA240
AGTACAACCA GCTCCTCAGA ATTGAAGAGG AGCNGGGCAG CAAGGCTAAG TTTGCCGGCA300
GAACTTCAGA AACCCCTTGG CCAAGTAAGC TGTGGGCAGG CAAGCCTTCG GTCACCTGTT360
GGCTACACAG ACCCCTCCCC TCGTGTCACT CAGGCAGTCG AGGCCCCGAC CAACACTTNC420
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AAGCCAANTC CTTGGAGCCT GTTGCANTCT A 511

Name: 160 Len: 638 Check: 251
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CATCTTCATC ACTACTAGAT TCATCTGACA GAATTTGAGG ACATTTGGTT CGCTTAGCCT120
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CTAGTTCACT ATTTACACCT GATCTCTCCA AATCAAGAAC CTCACAGATG CTCTTTAACA300
TGGCATTTCT AAACCTTTTTT AACATTTCTT CCTTCTTTTT ATATTGGACA CTTCCTTTTT360
CAAATGGAAA GCCACTGAAC TGACCCACAT TCTTCTTTAA TGAGGACACA CAGCCTGGCC420
TGTTGTAAAG CACTTTAGGT ACATATCTAA GATCATCCGT TTTCTTCTTA CTAGAAAAA480
CATGTATGCT CTCAATTTCA CAAAGCGTCT GCCGCTTTCC TTGCTGCATT GTAAATTGCT540
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CCCGAAAGAA CCTTTTTTTTT TCTTCTCTCT CTCTCTCTC 638

Name: 161 Len: 845 Check: 445
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CCTGAAGGAA CACCTCTTTA TAACTTCATG GGTGATGCTT TTCAGCATAG CTCTCAATCG180
ATCCCTAGGT TTATTAAGGA ATCACTAAAA CAAATTCCTT AGGAGAGTGA CTCTAGGCAG240
ATCTTTTACT TCTTGTGCTT GAATCTGCTT TTTACCTTTG TGGAAATTAT CTATGGCGTG300
CTGACCAATA GTCTGGGCCT GATCTCGGAT GGATTCCACA TGCTTTTTGA CTGCTCTGCT360
TNAGTCATGG GACTTTTTTG TGCCCTGATG AGTAGGTGGA AAGCCACTCG GATTTTCNCC420
AAGGGTACGG CCGAATAAAA ATTCTGTCTG GATTTATNAA TGGGCCTTTT TCCAAANAGN480
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ANTGGGACCN GGNCCCTTNA NCCAAGGCCC AAGNCANGCC CAGGGGGGCT CCNCAAGGGG660
AGNNGCANCN AAANNNGGNC AAAGGNCTTT CAAACNCANN GGNNGGGNCA AGGGACCCNG720
GGGGNGGGGC AACCNCGGGG TNNGGGGGGG GNGNAAAAACN CAAAANNGGG GGGNATCCCA780
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GGGGC 845

Name: 162 Len: 496 Check: 176A
TGTAATACCT CCTCATCTTT TCTTCTTACA CAGTGTCTGA GAACATTTAC ATTATAGATA 60
AGTAGTACAT GGTGGATAAC TTCTACTTTT AGGAGGACTA CTCTCTTCTG ACAGTCTTAG120
ACTGGTCTTC TACACTAAGA CACCATGAAG GATATGTGCT CCTATTATT CCTGGCTTTG180
TGCTCTGCCA AACCTTCTT TAGCCCTTCA CACATCGCAC TGAAGAATAT GATGCTGAAG240
GATATGGAAG ACACAGATGA TGATGATGAT GATGATGATG ATGATGATGA TGATGATGAT300
GAGGACAACT CTCTTTTTTC AACAGAGAG CCAAGAAGCC ATTTTTTTTC CATTTGATCT360
GTTTCCAATG TGTCCATTTG GATGTCAGTG CTATTACAGA GTTGTACATT GCTCAGATTT420
AGGTTTGACC TCAGTCCCAA CCAACATTCC ATTTGATACT CGAATGCTTG ATCTTCAAAA480
CAATAAAATT AAGGAA 496

Name: 163 Len: 491 Check: 21BF
TAAGGATTAA AAACGATTTT AATTATACAC ATATGGTCAC AATTTTGCCT TAAAAAGATT 60

126

GTTGGGAAAT GTACATAAGG CCGCTTGTA AATGTACATCG TGTTACTGTT ATGTCTTATG120
 TCCAGAGGAA AAAATGTTAT CACACAGATT TGCTCTTACT TGGGAGTAGG CTATTCAAAA180
 ATACAGTACT CTTCTGTACA AAGAAAAAG TCACATCACA TTTAATAAGA TGAAAAAGC240
 ATTGGCCTCC ATGGTAACCA AATATCTCAG TCCAATACTT TCTATTATGC ACAATACCCT300
 GACTTCAATT GAAAGTGATC CAAATTCTAG CAGGTCCATA TTAACAGTCA ACAACTATGT360
 TATAAACAA AATGATCTCA CAATAATAAA AAGAAAGCTG GTTCATACTT CTGAAACCAT420
 ATAAAGATAA AAAATTTTAA AAAAATCACT CTCGATTGG AGAAATAAAT TTACATTATA480
 CAACACTATA T 491

Name: 164 Len: 457 Check: 1689
 TTTTCTGTT TATGACAETT TATTGATGCT GGGGGGGTGG GGAGGAGACC TGGAGAAATA 60
 TGTGGGGGCA AGAGTCCCCA GGTGGGGACA GGGAAAGTGT TGAAGCCTGG CCACTACTGG120
 GCAGGGAAGA CAGAGTTGCC ACTGTATGCA CAGGGGATGA GCAGCTGCCG GTACTCCAGG180
 GGCAGGTGCC GCTCCACTAG CACGTGCAGT GAGACTTGGT CAGTGACCAG GCCCTGCCGC240
 CGCATCAGCA GCTCCAGGTC CTCTGGCTTC ACAGTCTTGC GGCCAGCATG AGCAGCAAAT300
 ACCTCCAGAT CATCACAAG ATGCTGGAAT TATTTATCTA GGCACCTCTC CACCATCTCA360
 AGAGCCTTCC TCTCCATGGG CATCTTGGCA TAGAAGCTAA AGAGTTTCAC ATAGTGGCTC420
 AGTCCAGCCT TGTGGGGATC TTGCCGGNGC CTGNGGC 457

Name: 165 Len: 477 Check: 17AD
 TTTTTTTTT TTTTAGTTTT CTTCCTCAAT GGTTCCCTCAG CCCCAGTGCT GGGCCCTGAA 60
 ATAGGCCAG CTCCCTGTAT AGTTCCCAACA GAGCTGGCCA CACCATAAGT CAGGGGCAAA120
 CTGGAAGTGT GGAAGGAGC TGCAGCCTGT ACTTCCCTTT CAGTTAGAGC CTGAAGCTGG180
 AGGAGCTTCT TTAGCAAGTA CCTTCTTTCT TCTTTTGCTT TAAGAAATTT TTCCTCAAGA240
 CGAGCAATTT CATCACAAT AGCAGCAATTT TCAACACCCG TGGCCTTGGC CGCTTTGCCG300
 AGCCGCAGGT ACTTCAGCCG GTACTTCTCA TCTTGGCTCT TCTTCGGGAG CTTTTTCATC360
 CTGGCCTTGC TGGACTGCAG CGGAGCCCGC GCGAGGGAAG CGAGGCCGTC CAGCAGGCTC420
 ATGGTCCAGC CCGCTACGG GGGCCCCAGG ACGTGTCCCG CATCGGATCC TAAGTCG 477

Name: 166 Len: 468 Check: 19A4
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 GGAGCTGGAC CGCGAGCGAC AGAAACTAGA GACCCAGGAG AAGAAAAATCA TTGCAGACAT120
 TAAGAAGATG GCCAAGCAAG GCCAGATGGA TGCTGTTCCG ATCATGGCAA AAGACTTGGT180
 GCGCACCCGG CGCTATGTGC GCAAGTTTGT ATTGATGCGG GCCAACATCC AGGCTGTGTC240
 CCTCAAGATC CAGACACTCA AGTCCAACAA CTCGATGGCA CAAGCCATGA AGGGTGTAC300
 CAAGGCCATG GGCACCATGA ACAGACAGCT GAAGTTGCC CAGATCCAGA AGATCATGAT360
 GGAGTTTGA CCGCAGGCAG AGATCATGGA TATGAAGGAG GAGATGATGA ATGATGCCAT420
 TGATGATGCC ATGGGTGATG AGGAAGATGA AGAGGAGAGT GATGCTGT 468

Name: 167 Len: 399 Check: BC8
 TTTTTTTTTT TTAGGTTTAT AATCAGCATC ATCCTCATCT CGAGGTCTCT TTAATGGCTT 60
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 TGGACTAGT AAGCCATTTT CCTTCTCCTT CTTTATTTT GCATCCCCAG AGGCTCGAAC180
 CTTTTCTCT TTTGTTTTT CCTTGTCTCT GTCTTTATGT TTGTCTTTAT GCTTTTCTGA240
 GCTTCCATCT TTGTGTTTGG TCTTCTCCTT CTTCTTTGT GTCTTTTGT TTCTTTTCAG AATCTTTATG300
 TTCATGTTG CTATGCTTGG ACTTTTCCCG GNCCTTCTCC TTTCTGGGTT CTTTTGNGCC360
 GNGGTCTCGA TCCTTTGGTT ATTTTGTGT TATGAGAAT 399

Name: 168 Len: 557 Check: F21
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 CAAGCGGGCC AAAGCCAAGA CCACCAAGAA GCGGCCACAG CGGGCCACAT CCAATGTCTT120
 CGCAATGTTT GACCAGTCCC AGATCCAGGA GTTTAAGGAG GCTTTCAACA TGATTGACCA180
 GAACCGTGAT GGCTTCATT ACAAGGAGGA CCTGCACGAC ATGCTGGCCT CGCTGGGGAA240
 GAACCCACA GACGAATACC TGGAGGGCAT GATGAGCGAG GCCCCGGGGC CCATCAACTT300
 CACCATGTTT CTCACCATGT TTGGGGAGAA GCTGAACGGC ACGGACCCCG AGGATGTGAT360
 TCGCAACGCC TTTGCCTGCT TCGACGAGGA AGCCTCAGGT TTCATCCATG AGGACCACCT420
 CCGGGAGCTG CTCACCACCA TGGGTGACCG CTTACAGAT GAGGAAGTGG ACGAGATGTA480
 CCGGGAGGCA CCCATTGATA AGAAAGGCAA CTTCAACTAC GTGGAGTTCA CCGCATCCT540
 CAAACATGGC GCCAAG 557

Name: 169 Len: 564 Check: 163
 ACGACTTGGC CATGCTGAAA CAGATGAACA ATTACAGAAT ATTATATCTA AATTCCTTCC 60
 TCCTGTTTTG CTCAACTCT CTAGCACCCA AGAAGGAGTA CGTAAAAAGG TAATGGAACT120
 GCTGGTCCAT CTGAATAAAT GTATAAAAG CGCCCCCAA ATACAACTTC CAGTAGAGAC180
 ACTGTTGGTT CAGTACCAGG ACCCTGCTGC AGTTTCTTTT GTCACAAAT TACTATAAT240
 TTATGTTAAA ATGGGCTATC CTCGCCTACC AGTGGAATA CAATGTGAAC TGGCCCCCTAC300
 GCTTCTTACT GCCATGGAAG GGAAGCCTCA GCCACAGCAG GATAGCTTAA TGCATCTTTT360
 AATACCAACC CTTTTTCACA TGAAATACCC TGTTGAATCA TCAAAATCAG CTTCTCCATT420
 TAATCTTGCT GAGAAACCAA AGACTGTGCA GCTGCTTTT GACTTCATGC TAGATGTCTT480


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Name: 175                               Len: 410  Check: 152D
GGCACGAGCT TTGCAGGGAA TGAATACTGG ATCTACTCAG CCAGACCCCT GGAGCGAGGG 60
TACCCCAAGC CACTGACCAG CCTGGGACTG CCCCCTGATG TCCAGCGAGT GGATGCCGCC120
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128

TTTAACTGGA GCAAAAACAA GAAGACATAC ATCTTTGCTG GAGACAAATT CTGGAGATAC180
 AATGAGGTGA AGAAGAAAAT GGATCCTGGC TTCCCCAAGC TCATCGCAGA TGCCTGGAAT240
 GCCATCCCCG ATAACCTGGA TGCCGTCGTG GACCTGCAGG GCGGCGGTCA CAGCTACTTC300
 TTCAAGGGTG CCTATTACCT GAAGCTGGAG AACCAAAAGTC TGAAGAGCGT GAAGTTTGG360
 AGCATCAAAT CCGACTGGCT AGGCTGCTGA GCTGGCCCTG GCTCCACAG 410

Name: 176 Len: 473 Check: 26B9
 TTTTTTTTTT TTTTTTTTAC AAAGGAAAAC AAAGCTACTT TTGGTTTTGG CAACATTAAA 60
 AAAGAAAGAA ATATAAAAAG CAATGTGGCA TTGGTCCCTA TTCATTAAAA AAAAAGGGTA120
 CTTGGGCACG ACACAATCAG AATTAGTTTG TTTTCTAAAA TTCAGAGTAT CTGGGATTTT180
 AAAAGTAGCA CTTTTTAAAA AGTTCAACAA GTCACATAAC ACTTAAAAA TCAAAAAAGC240
 TTTCTGATAA AAAGCTCAGC TTTTAAATCA CGTTTTGTTT CTGCAAAATT GGGAGACAAA300
 TTGAGTTCTT ACTGGAATGT GGCCTATCGC TGGTTGACAA ATCTGAAATG GAATGTCTCC360
 AAATGGCAGT GCCTCCCTTT CCGCCCTCCC TAGGACCACA CCAATAACCA GCTCCCAAGC420
 ACAAGTTCTT GCTCCCATTT TTTCTGTAGG GGTGGGGTG GGACCTTCAG GCT 473

Name: 177 Len: 423 Check: F88
 TTTTTTTTTT TTTTTTTTAA CAAAGCTTTC TGTAATATT TTATTTTCCA TATTTTAGAG 60
 TCAGAAAGAA GCGCTTGGTA ATAAAAATA TAGAGAATTA TTTTCTTCAA GCCCGCTCTG120
 CGCTGCGCGG GCCTCCCCGC GCCCGGGCCC ACGGCTGAGT GCGCGGCGTC AGAGGCCCA180
 AGTCCATCTC ACTATTTACA GATATGTTAC AGGCCGGGAT GGTCACAGAG GAAAGCCAG240
 CTCTCAGCAT GGCCCCACGT GGTGAGGAGC CCCCAGGCTC CTCCCGGCTG TCTCGGACAG300
 AGACTGAGAA GCCTGCGCGG TCCCGTGGGG GCCTAGGCTG CCGCGGGGCTC CACGGGGGG360
 CAGGAGTGGG CCGTGATGTC GCTGTGCTTG TACGCCGCCT CGTCCAGGTC CAGCAGCCTC420
 CGG 423

Name: 178 Len: 304 Check: 1952
 TCAGGTTCAA GTGCTGGATT GTGTCATGTG ACCATCCCAA AACTCAGAGC ACCCTATGGC 60
 CGTCTTTGCC CTCTGTCACA TAACTTGAAA ACTGCCTGAT GGCTTTTTTG CAGTGGTTCC120
 CTCCAGGAAG CCTTGATCTC AGTTGAAGAA GTTCTTTCCT GGCATTCCAA TGCCCTGTG180
 AGCTCCATAC TCCTCAGACA CCTTAACAA AGGCTGTCTG GCACACAATG TGACAAATAC240
 ACAAATAAAA TGATAATTAC ACTAATAATG ATATGTTTCA AGGGGCACTG GCCAGGTCCA300
 CACA 304

Name: 179 Len: 541 Check: 1295
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 GCAAGTGTGG CCAAGAAGAG CATGATGTCC TCTTGAGCAA TGAAGAGGAT CGAAAAGTGG120
 GAAAACTTTT TGAAGACACC AAGTATACCA CTCTGATTGC AAAACTAAAG TCAGATGGAA180
 TTCCCATGTA TAAACGCAAT GTTATGATAT TGACGAATCC AGTTGCTGCC AAGAAGAATG240
 TCTCCATCAA TACAGTTACC TATGAGTGGG CTCCTCCTGT CCAGAATCAA GCATTGGCCA300
 GGCAGTACAT GCAGATGCTA CCAAGGAAA AGCAGCCAGT AGCAGGCTCA GAGGGGGCAC360
 AGTACCGGAA GAAGCAGCTG GCGAAGCAGC TCCCTGCACA TGACCAGGAC CCTTCAAAGT420
 GCCATGAGTT GTCTCCGAGA GAGGTGAAGG AGATGGAGCA GTTTGTGAAG AAATATAAGA480
 GCGAAGCTCT GGGAGTAGGA GATGTCAAAC TTCCCTGTGA GATGGATGCC CAAGGCCCCA540
 A 541

Name: 18 Len: 245 Check: E67
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 ACAAACACA AGCAGAAACA ATTGTATCAG CGTTAACTGC TTTATCAAAT GTCAGCCTGG120
 ATACTATCTA TAAAGAGATG GTCACCTAAG CTCAACAGGA AATAACAGTA CAACAGCTAA180
 TGGCTCATTT GGATGCTATC AGGAAAGACA TGGTCATCCT AGAGAAAAGT GNATTTGCAN240
 ATCTG 245

Name: 180 Len: 685 Check: 531
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 AAGAATAAAG GAGATTGTGA AGAAACATTC TCAGTTTATT GGATATCCCA TTACTCTTTT120
 TGTGGAGAAG GAACGTGATA AAGAAGTAAG CGATGATGAG GCTGAAGAAA AGGAAGACAA180
 AGAAGAAGAA AAAGAAAAAG AAGAGAAAGA GTCGGAAGAC AAACCTGAAA TTGAAGATGT240
 TGGTTCTGAT GAGGAAGAAG AAAAGAAGGA TGGTGACAAG AAGAAGAAGA AGAAGATTAA300
 GGAAAAGTAC ATCGATCAAG AAGAGCTCAA CAAAACAAAG CCCATCTGGA CCAGAAATCC360
 CGACGATATT ACTAATGAGG AGTACGGAGA ATTCTATAAG AGCTTGACCA ATGACTGGGA420
 AGATCACTTG GCAGTGAAGC ATTTTTCAGT TGAAGGACAG TTGGAATTCA GAGCCCTTCT480
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 CAAATTGTAT GTACGCAGAG TTTTCATCAT GGATAACTGT GAGGAGCTAA TCCCTGAATA600
 TCTGAACCTT ATTAGAGGGG TGGTAGACTC AGAGGATCTC CCTCTAAACA TATCCCGTGA660
 GATGTTGCAA CAAAGCAAAA TTTTG 685

Name: 181 Len: 207 Check: A9C
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 GGTGGGTGGC TGTCCTGCTC TACGCCTCCA TCCACAAGAT TGAGGAGGGC CATCTGGCTG120

129

TGTACTACAG GGGAGGAGCT TTACTAACTA GCCCCAGTGG ACCAGGCTAT CATATCATGT180
TGCCITTCAT TACTACGNTT CAGAATC 207

Name: 182 Len: 530 Check: A17
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CAGTCGTCCT AGCATGTCCC CAACACCTCT TGATCGCTGC AGATCACCTG GAATGCTTGA120
ACCCCTTGGC AGCTCTAGAA CACCCATGTC TGTCTGTCAG CAAGCCGGCG GCTCCATGAT180
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TCAGTCCAGG ATTGCACTTG CCTTGACAGC TATCAGTCTT GGCACCGCTC GGCCTCCTCC300
GTCCATGTCT GCTGCTGGCC TTGCTGCAAG AATGTCCCAG GTTCCAGCCC CGGTGCCTCT360
CATGAGTCTC AGAACCGCAC CAGCAGCCAA CCTTGCCAGC AGGATTCCCTG CAGCCTCTGC420
GGCAGCCATG AACCTAGCCA GCGCCAGGAC ACCTGCCATT CCAACAGCAG TGAACCTGGC480
TGACTCTCGA ACGCCAGCTG CAGCAGCGGC CATGAACCTG GCCAGCCCCA 530

Name: 183 Len: 526 Check: 7E1
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AAGATTCTTT AAATTACATC AGGAAGACCA GGCTTGTGCA ACTTGCTTGA TTCTTGCTTG120
CTCCACTGCT GCCTGTGATA GAGAAGTATC TGCCTGGGCT ACTCGGGCTT TCTTTAGGTA180
TGGTGGTGAA GCACAGATGA GATTTCCAA CACTCTTCCG CCTCCAAGTA ATGTTGGTCC240
CATCTTGGGG TCTCCTGTCT ATTCTAGTTC TCCTGTTTCT AGTGGTAGTC CCTATCCAAA300
TCCATCCTTT TTGGGAACAC CGTCTCATGG TATACAGCCT CCTGCCATGT CAACTCCAGT360
GTGTGCTCTG GGAAACCCAG CAACTCAGGC CACAAATATG AGTTGTGTGA CTGGACCAGA420
GATTGTGTAC TCTGGAAAAC ACAATGGGAT TTGCAATTTT TTTTCTCGGA TCATGGGAAA480
CATTTGGGAT GCAAGCTTAG TTGTGGAGAG AATATTCAAG AGTGGC 526

Name: 184 Len: 612 Check: 1418
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CCCGTGGAGG AGAAGAAGAA GATTCCAGAT CCAGACAGCG ATGACGTCTC TGAGGTGGAC120
GCGCGGCACA TCATTGAGAA TGCCAAGCAA GATGTGATG ATGAATATGG CGTGTCCCAG180
GCCCTTGACG GTGGCCTGCA GTCCTACTAT GCCGTGGCCC ATGCTGTGAC TGAGAGAGTG240
GACAAGCAGT CAGCGCTTAT GGTCAATGGT GTCCTCAAAC AGTACCAGAT CAAAGGTTTG300
GAGTGGCTGG TGTCCTGTA CAACAACAAC CTGAACGGCA TCCTGGCCGA CGAGATGGGC360
CTGGGGGAAGA CCATCCAGAC CATCGCGCTC ATCACGTACC TCATGGAGCA CAAACGCATC420
AATGGGCCCT TCCTCATCAT CGTGCCTCTC TCAACGCTGT CCAACTGGGC GTACGAGTTT480
GACAAGTGGG CCCCCTCCGT GGTGAAGGTG TCTTACAAGG GATCCCCAGC AGCAAGACGG540
GCCTTTGTCC CCCAGCTCCG GAGTGGGAAG TTCAACGTCT TGCTGACGAC GTACGAGTAC600
ATCATCAAAG AC 612

Name: 185 Len: 433 Check: C75
GTTTCTTCCA GACAAAGGAA TATCAAAACA CTTCGGCACA AGTACAACAA AGGCATGGGA 60
AGATCATGAT AATGTTTTAC ATCACAATTT ACAGCAATTT ATTTTAATCA GTATTTGTAG120
AAAACAAGGA TGCTGAGTTC TTGAACACTG CAGTCACAAA CTCAACTAA AATTTCCAAA180
AAAAGGAAAG AAAACACTGA ACTACTTGGT CAACTGAACA TCTGTAATAA TAAATGTAAC240
GAAACCTAAC CAAATAAATA TGCCACTGAG ATCACAACAG AAGTGTATGG TTTTGTAGT300
GTGCCAGAGA CATTAATAA TTTAATCAGT TTTTGACTAC AACCCAAAGC AAAGCATCCT360
CTCTGTTTCC CTGATGATTT ATTCTAAAAG TAACCTTAAA AAGCAGAAAC TTGCTGGTTA420
AAGAGAATTT CTG 433

Name: 186 Len: 377 Check: 2316
ATAATGCAAG CCCTTGCATG GCAATCCAAA TTTATTGAAC TACTGATGCT AAGTTATACA 60
AAATTGCACC ACTTTAATTA AGGCTTTTAG TTTACATTTG GCCACCTCAA AGTAGTTGT120
ACATTAGGTT GGTCAATTTA AATACTGTGG CTCCCTGTTG GATAGACACA CAATCTTTAC180
ATCCAAACAT TAATGCATAC AAAGCAACAA GGCATTGTTA AATAAAACAG CAATAGTTAC240
TGCAAATTAG GCCTTGTGAC CAATTACATA TGATTAAAAT TACTTCCCAC ATTCACATCC300
ACAGTNACTC GTCCACCATT TAACATCTCA CCAANNACGT TACACATGTG AAACAATCAC360
TAACAGGCCAA AAATACT 377

Name: 187 Len: 413 Check: 6F4
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GTGGCTGCTT TGTGTCTGCT GGAGGGCATG CTGCTAGCCA AGTCTACAGG GGTTTCACTT120
TCTATCTTCA GGCTTCCAG AGGCTCTTCA GCAGCTGCCT TCTCAGCCTT TTTGGGTTGT180
TTTTTGCCTA CAGTTCTTCT CTGTGTTGTG CTGTCACTCT GTGCAGGAGA TTTCTGCCTC240
CCACGCCAC TTTCTGATCC CTTTTGGATG GTTTTGGAGT CTCGTCCCGG AGTAGCGGAA300
CTCGTTTCTT TAGGTCCACT TGTATCAGTG TAGCTATTCC CAGTGCCCTG CTCTCGGCCT360
TCCTTTTGT AGCCTTGAGA TGATGGGATG TTACTGTCCA CTGAAGAGGC GGG 413

Name: 188 Len: 378 Check: 13F6
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CCGCGCGCCT CCTCCGCGC CGCGGACTCC GGCAGCTTTA TCGCCAGAGT CCCTGAACTC120
TCGCTTCTT TTTAATCCCC TGCATCGSAT CACCGGCGTG CCCCACCATG TCAGACGCAG180

130

CCGTAGACAC CAGCTCCGAA ATCACCACCA AGGACTTAAA GGAGAAGAAG GAAGTTGTGG240
AAGAGGCAGA AAATGGAAGA GACGCCCCTG CTAACGGGAA TGCTAATGAG GAAAATGGGG300
AGCAGGAGGC TGACAATGAG GTAGACGAAG AAGAGGAAGA AGGTGGGGAG GAAGAGGAGG360
AGCAAGAAGA AGGTGATG 378

Name: 189 Len: 545 Check: 214D
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TGAAGAGCAA AGAAATTAAA AGAGCAACAC TGAATGAACT GGTGAGTAT GTTTCACCTA120
ATCGTGGTGT AATTGTTGAA TCAGCGTATT CTGATATAGT AAAAATGATC AGTGCTAACAL80
TCTTCCGTAC ACTTCCTCCA AGTGATAATC CAGATTTTGA TCCAGAAGAG GATGAACCCA240
OGCTTGAGGC CTCTTGCCCT CACATACAGT TGGTATATGA ATTCTTCTTG AGATTTTTTG300
AGAGCCCTGA TTTCCAGCCT AGCATTGCAA AACGATACAT TGATCAGAAA TTTGTACAAC360
AGCTCCTGGA GCTTTTGTAT AGTGAAGATC CCAGAGAACG TGACTTCCTG AAGACTGTTT420
TGCACCGAAT TTATGGGAAA TTTCTTGGAT TAAGAGCATT CATCAGAAAA CAAATTAACA480
ACATTTTCTT CAGGTTTATA TATGAAACAG AACATTTCAA TGGGTTGCTG AACTTCTTGA540
ATATT 545

Name: 19 Len: 304 Check: 187B
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TCATTTTCAT TACTAAAACC CAAAACAAGG AAACCTTTT GGCTAAATAA GCCTTCTTCA240
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GGCA 304

Name: 190 Len: 648 Check: 1E8C
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GTGTCCAAGT ACAAATACAG AGACCTAACT GTACGTGAAA CTGTCAATGT TATTACTCTA180
TACAAAGATC TCAAACCTGT TTTGGATTCA TATGTTTTTA ACGATGGCAG TTCCAGGGAA240
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ATTGTGGTAT TTGGAGATGA ACCTCCAGTC TTCTCTCGTC CTATTTCCGGC ATCCTATCCG540
CCATACCAGG CAACGGGGCC ACCAAATACT TCCTACATGN CCAGCATGCC AGGTGGAATC600
TCTCCATACC CATNNCGATA CNCTCCANT CCCAGTGGGT ACCCAGCT 648

Name: 191 Len: 339 Check: 127B
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ACACCAAGAG GACTGTGCAG AGATGAGGAA GACACCTCTT TTGAATCACT TTCTAAATTC120
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CCCGGCATCC TTAGTCTCTG CACGTCTGAG GCAGTGTGCC AAGAGAAATT TAATATGGAG240
TTCAGAGACA ACCCAGGGAA CTTTGTTAAA ACAGAAGAAA CTTTATTTGA AATTCAGGGA300
ATTGACCCCA TAGCTTCAGC TATACAAAAC CTTAAACA 339

Name: 192 Len: 252 Check: 1228
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CAAACAGCTG GTGGAGAGTG GTGCCGCCAT TTTTNCCTCA ACCATAAGCG ACATTGAAAC120
TGCTGCAGAC AAGTGTGAGG NGATGGAGGA AGGCTACATC CAGTGCTCCC AGTTTCTATA180
TGGGGTGCAG GTGAAGCTGG GTGTGATGAA CAAAGGTGTG GCNNATGCTC TGTGGGACTA240
CGAGGCCAG AA 252

Name: 193 Len: 272 Check: 27D
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AGTTCAACCA CTGAGGAGTT GGATTACAGA AACTCCTATG AAATTGAATA TATGGAGAAA120
ATTGGCTCCT CTTACCTCA GGACGACGAT GCCCGAAGA AGCAGGCCTT GTACCTTATG180
TTTGACACTT CTCAGGAGAG CCCTGTCAAG TCATCTCCCG TCCGCATGTC AGAGTCCCCG240
ACGCCGTGTT CAGGGTCAAG TTTTGAAGAG AC 272

Name: 194 Len: 334 Check: 19FD
GAGANCCTGG AAAAATTAAC CACATGAGAN ACGATACACT AGCCAGATG TTGACGTTGG 60
GAAATATCCG TNCTGGCAAC AAAATGATTG TNATGGAAAC GTGTGCAGGC TTGGTGCTGG120
GTGCAATGAT GGAACGAATG GGAGGTTTTG GCTCCATTAT TCAGCTATAC CCTGGAGGAG180
GACCTGTTCC GGCAGCAACA GCATGTTTTG GATTTCCTCA ATCTTTTCTC AGTGGTCTTT240
ATGAATTCCT TCTCAACAAA GTGGGACAGT CTTCTACATG GAACATTTTC TGCCAAGATG300
TTATCTTCAG AGCCAAAAGA CAGTGCTTTG GTTG 334

Name: 195 Len: 352 Check: 13BF
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TATCTGTAGA TTCAAAAAGG AGCAAGCCAC ATTGTCCTCA CTGTCAAATG TGTGAGGCTT120

131

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TGCATTTTCAT GGAGGGGGGG GGGTACACAN TATTTTAATT TTAACAACAA TAAAAATAAT300
TTGTTTGTCA AAGATTCCCA TCTCCCAAC TTTATTGTG GCATTGGTTT TC 352

Name: 196 Len: 355 Check: 9AF
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TGAGGAAAAG TATAGAGAAA TGATGATTGT TATGAGGACA ACAGAACTTG TGAACAAGGA120
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GGAAGAAATC AATAAAATTA TACGTGACCT GTGGCGAAGT ACCTATCGTG GACAAGATAT240
TGAATACATA GAAATACGGT CTGATGCCGA TGAAAATGTA TCAGCTTCTG ATAAAAGGCG300
GAATTATAAC TACCGAGTGG TGATGCTGAA GGGAGACACA GCCTTGATA TGCGA 355

Name: 197 Len: 456 Check: A6C
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CCCATGCGTA TTGATGAGAG CATTACCTC CAGCTGCGGG AGAAATATGG GGACAAGATG180
TTGCGCATGC AGAAAGGTGA CCCACAAGTC TATGAAGAAC TTTTCAGTTA CTCCTGCCCC240
AAGTTCCTGT CGCTGTAGT GCCCAACTAT GATAATGTGC ACCCCAACTA CCACAAAGAG300
CCCTTCCTGC AGCAGCTGAA GGTGTTTTCT GATGAAGTAC AGCAGCAGGC CCAGCTTCA360
ACCATCCGCA GCTTCTGAA GCTCTACACC ACCATGCCTG TGGCCAAGCT GGCTGGCTTC420
CTGGACCTCA CAGAGCAGGA GTTCCGGATC CAGCTT 456

Name: 198 Len: 422 Check: 1FAE
GCACGAGATA CTGTGAAATA CCTTTTCTCA CAAAAGGCA AATATTGAAG TTGTTTATCA 60
ACTTCGCTAG AAAAAAAAAA CACTTGGCAT ACAAAATATT TAAGTGAAGG AGAAGTCTAA120
CGCTGAACTG ACAATGAAGG GAAATTGTTT ATGTGTTATG AACATCCAAG TCTTTCTTCT180
TTTTTAAGTT GTCAAAGAAG CTTCCACAAA ATTAGAAAGG ACAACAGTTC TGAGCTGTAA240
TTTCGCCTTA AACTCTGGAC ACTCTATATG TAGTGCATTT TTAACCTTGA AATATATAAT300
ATTGAGCCAG CTTAAACCCA TACAATGTAT GTACAATACA ATGTACAATT ATGTCTCTTG360
AGCATCAATC TTGTTACTGC TGATTCTTGT AAATCTTTTT GCTTCTACTT TCATCTTAAA420
CT 422

Name: 199 Len: 446 Check: 1C55
CGATGGAGAC ATCAAACAAG AGCCAGGAAT GTATCGGGAA GGACCCACAT ACCAACGGCG 60
AGGATCACTT CAGCTCTGGC AGTTTTTGGT AGCTCTTCTG GATGACCCTT CAAATTCTCA120
TTTTATTGCC TGGACTGGTC GAGGCATGGA ATTTAACTG ATTGAGCCTG AAGAGGTGGC180
CCGACGTTGG GGCATTGAGA AAAACAGGCC AGCTATGAAC TATGATAAAC TTAGCCGTTCT240
ACTCCGCTAT TACTATGAGA AAGGAATTAT GCAAAAGGTG GCTGGAGAGA GATATGTCTA300
CAAGTTTGTG TGTGATCCAG AAGCCCTTTT CTCCATGGCC TTTCCAGATA ATCAGCGTCC360
ACTGCTGAAG ACAGACATGG AACGTACAT CAACGAGGAG GACACAGTGC CTCTTTCTCA420
CTTTGATGAG AGCATGGCCT ACATGC 446

Name: 2 Len: 352 Check: FBA
CATGGCATGC AGAGGATCTA CAAAATGGGT TCACCAGGCC TGTCTACAAC GCTGGGTGGA 60
TGAAAAGCAA ACAGGAAACA GTACAGCCAG AGTGGCATGT CCTCAGTGCA ATGCTGAATA120
CCTAATAGTT TTTCCAAAAT TGGGTCCAGT GGTTTACGTC TTGGATCTTG CAGATAGACT180
GATCTCAAAA GCCTGTCCAT TTGCTGCAGC AGGAATAATG GTCGGCTCTA TCTATTGGAC240
AGCTGTGACT TATGGAGCAG TGACAGTGAT GCAGGTTGTA GGTCAATAAG AAGGTCTGGA300
TGTTATGGAG AGAGCTGATC CTTTATTCTT TTTAATTGG GACTTCCTAC TA 352

Name: 20 Len: 1558 Check: F16
AGGAGGCCGC GCGGNGCAG GCGGCGACT GCCTGCCTGC CTGGGTGCG GAAGTGATAG 60
CCGCCGACCG AGCCTGCTGC TTTCTTGCTA CTGCTTCGCG TTCCCGCCTA CTTCCCCCG 120
ACGGTGAAGG CGGCCAGCT GTGGATGGTC AGATAGCCCT TGTCTCCCGC CGCCATCTC 180
TGGCCCCCTAG CAGCACGGAG CAGACGGCGG CAGCAGCAGC AGCAGGCGAG GAGGAAGATG 240
GCGGGACGGC TGCCGGCCTG TGTGGTGGAC TGTGGCACGG GGTATACAAA ACTAGGATAT 300
GCTGGAAATA CAGAACCACA GTTTATCATC CCTTCTGTA TTGCTATTAA GGAGTCAGCA 360
AAAGTGGGTG ATCAAGCTCA AAGGAGGGTG ATGAAAGGTG TTTGATGACC TAGACTTCTT 420
CCATTGNGTG ATGAAGCAAT AGAAAAACCT ACATATTGCA ACAAAGTTGG CCCAATCCGC 480
CATGGTATAG TGTGAAGAT GGGACTTTAA TGGAAAGGTT TATGGAGCAA GTGATCTTTT 540
AAATATTTTA NGGGCAGAAC CCTGAAGACC ATTTATTTCT TTTGACTGAA CCTCCATTGA 600
ATACTCCAGA AAACAGGGAA TATACTGCTG AAATAATGTT TGAGTCCTTC AATGTTCCAG 660
GCTTGATACAT TGCTGTGCAG GCTGTTCTTG CCTTATCTGC ATCTTGACC TCAAGACAAG 720
TAGGAGANCG GACGTTGACC GGTNCGGTAA TAGACAGTGG AGATGGTGTG ACTCATGTCA 780
TTCCTGTGGC TGAAGGGTAT GTGATTGGCA GCTGTATTAA ACACATTCCA ATCGCAGGGA 840
CCGAAGATAT AACAAATATT TAATTCAGC AACCTGCTGA GAGACCCGAG AAGTAGGGAA 900
TCCCTCCAAG AACCAACCCT TGGAAACCTG CTAAGGCAGT AAAGGAGCGC TATAGTTATG 960
TCTGCCCAGA TTTAGTAANA GAATTTAACA AGTGCTTTTG GAACTAAGAG CTAGTATCTT1020

132

GGATTAACCTG ATGCCTGCTA GTGCTTTCTG ATTACTCGCA TTCTGTTTCT TGCTTTAAAA1080
GAAGAGTAAA GACAAGAGTG TTGGACCACT ATTGCAGTTC TGTAGTGTCA TTTCTTATAA1140
AAAACNAAAC AACAACAATA ATTTATCCAA ATTGGCATAT TTAAAGCCTA ACATTCTAAT1200
AAAGGCACAA ATTTCTTTTT AAATACTTGT TTCAGCCTCT TTNATCTCTT TATAAGTTAA1260
CTAATAAAATC TATTTTCTTC AGACTTCTGC AATAGTTCTT TAAAATCACC ACAGTTAGCA1320
AGCTGACTTT TGTAATGTGC TCNAANACCA ANACTTGTGA ACTTTTAATA TGTTGAGTGC1380
TTTCATTTTG ATAAGTGGAT CTCCATTTGA TATTTTCATT TGNATAACTC ATTTGCAGTC1440
TGGAAATTTT TTTTAGTGCC AGTCCCTGGA CATATCATTG AAAGTTAATT TTCTTTGCAT1500
TTTAAATATAT CTGGATTATG GAGGAAAAGT GATGNAATA AATTAAACT GAATTACC 1558

Name: 200

Len: 581

Check:

256

CGAAAAGAAA TCAGAAATGG AAAGTGTGTTT GGGCCAGCTT GATAACTATG GACAGCAAGA 60
ACTTGCGGAT CTTTTTGTGA ACTATAATGT AAAATCTCCC ATTACTGGAA ATGATCTATC120
CCCTCCAGTG TCTTTTAACT TAATGTTCAA GACTTTTCATT GGGCCTGGAG GAAACATGCC180
TGGGTACTTG AGACCAGAAA CTGCACAGGG GATTTTCTTG AATTTCAAAC GACTTTTGA240
GTTCAACCAA GGAAAGTTGC CTTTTGCTGC TGCCAGATT GGAAATTCCT TTAGAAATGA300
GATCTCCCT CGATCTGGAC TGATCAGAGT GACAGAATTC ACAATGGCAG AAATTGAGCA360
CTTTGTAGAT CCCAGTGAGG AAAGACCACC CCAAGTTCCA GAATGTGGCA GACCTTCACC420
TTTATTTGTA TTCAGCAAAA GCCCAGGTCA GCGGACAGTC CGCTCGGAAA ATGCGCCTGG480
GAGATGCTGT TGAACAGGGT GTGATTAATA ACACAGTATT AGGCTATTTT ATTGGCCGCA540
TCTACCTCTA CCTCACGAAG GTGGAATATC TTCAGATAAA C 581

Name: 201

Len: 625

Check:

22A8

GTCCTGGCCC AGAGCCTGGA CGGGGCTGAA GGACACGGGG GACAGGGCTC CTGGCTTCTT 60
CCGCCCCGTC CTGGCCCAGA GCCTGGAGCA TGATGAGCAC TCTTGTCCTT TTAAAAATC120
AAAGCCGCAC CCGCCCTCCC TGGCCAGCAA GAAACCTAAA AGGGAAACAA ACTCTGACAG180
CGTCCACCT GGCTACGAGC CCATCTCGCT GCTCGAGGCG CTCAACGGCC TCCGGGCTGT240
CTCCCCGEC ATCCCCCTCGG CCCCTCTTTA TGAAGAAATC ACCTATTCAG GCATCTCGGA300
CGGCCTGTCC CAGGCCAGNT GTCCCCCTCGC GGCTATCGAC CACATCCTGG ACAGCAGCCG360
CCAGAAGGGC AGGCCGCGA GCAAGGCCCC CGACAGCACC CTACGGTCCC CGTCTTCCCC420
CATCCACGAA GAGGATGAGG AGAAGCTCTC CGAGGACGTG GACGCCCCCT CCCCCTGGG480
TGGCSCAGAG CTGGCCCTGCG GGGAAAGCAG CTCCCCCTGAG AGTTTCATAA CAGAAGAGGT540
TGATGAGTCG TCTGTACCA CAAGCAAGGG GACCCGAGCA GCTTCCATTG AGAATGTCCT600
GCANGACAAG CAAGNCCCGA GCACT 625

Name: 202

Len: 806

Check:

1E28

TCTAGTTTTT GGAATGGAGC CTCGCATCCT ATACAACCCCT TTACAAGGCC AGAAATGTAT 60
TGTTCAAACA ACTTCATGGT CCCAGTGCTC AAAGACCTGT GGAAGTGGTA TCTCCACACG120
AGTTACCAAT GACAACCCTG AGTGCCGCCT TGTGAAAGAA ACCCGGATTT GTGAGGTGCG180
GCCTTGTTGA CAGCCAGTGT ACAGCAGCCT GAAAAAGGGC AAGAAATGCA GCAAGACCAA240
GAAATCCCCC GAACAGTCA GGTTTACTTA CGCTGGATGT TTGAGTGTGA AGAAATACCG300
GCCCCAAGTAC TCGGGTTCTT GCGTGGACGG CCGATGCTGC ACGCCCCAGC TGACCAGGAC360
TGTGAAGATG CCGTTCGGCT GCGAAGATGG GGAGACATTT TCCAAGAACG TCATGATGAT420
CCAGTCTCTG AAATGCAACT ACAACTGCCC GCATGCCAAT GAAGCAGCGT TTCCCTTCTA480
CAGGCTGTTT AATGACATT ACARATTTAG GGAATAAATG CTACCTGGGT TTCCAGGGCA540
CACCTAGATA AACAAGGGAG AAGATGTCTAG AATCAGAATC ATGGAGAAAA TGGGCGGGGG600
TGGTGTGGGT GATGGGACTC ANTGTAGAAA GGAAGCCTTG CTCANTCCTG AGGANCANTA660
AGGTATTTTC AAAGTCCCAA GGGTGTCTGT GCGGATGGAC ACTAANGCAG CCACGATTGG720
AGAATACTTT GCNTCATAGT ANTGGAGCAC AGTTACNGCT CAATTGGAG CNTGTGGAAT780
TGAGACTTCC NGNTTCCGGT TGAAAT 806

Name: 203

Len: 489

Check:

610

GCACGAGCGG CACGAGTTTC ATTTTTCCAA AAGAGAAAAA AATGACAAAA GGTGAAACTT 60
ACATACAAAT ATTACCTCAT TTGTTGTGTG ACTGAGTAAA GAATTTTGG ATCAAGCGGA120
AAGAGTTTAA GTGTCTAACA AACTTAAAGC TACTGTAGTA CCTAAAAAGT CAGTGTGTGA180
CATAGCATAA AAAGTCTGCA GAGAAGTATT CCCAATAAGG AAATAGCATT GAAATGTTAA240
ATACAATTTT TGAAAGTTAT GTTTTTTTTCT TATCATCTGG TATACCATTG CTTTATTTTT300
ATAAATTATT TTCTCATTGC CATTGGAATA GATATCTCAG ATTGTGTAGA TATGCTATTT360
AAATAATTTA TCAGGAAATA CTGCCTGTAG AGTTAGTATT TCTATTTTAA TATAATGTTT420
GCACACTGAA TTGAAGAATT GTTGGTTTTT TCTTTTTTTT GTTTNGNNTT TTTTTTTTTT480
TTTTTTTTTG 489

Name: 204

Len: 403

Check:

20BF

CAAGCTCAGA AGGGTCTACT CAGAGTTCAC TCTCTCCTGT ACTCATTGGT GGAAACCATT 60
TGATCACTGC AGGTGTGCCA AGGCGAAGTA AAAGAATTGC AGGCAAAAAA GTTTGCAGAG120
TGAATCAGG AAAAGCAGGC TGCTTTTCTC CTAAAATCAA GCCATAAAGA AAAGGTTCCG180
AAGATCTCTG CCGTTTGAAA TTCAATCTAG GGAAAAATGG CAGAGAAAGTA AATGGGATGT240
TCTGGTGTCA ATAGGATATT GAAAGTGTG GTTGGGCGAC TTGCAATCA ACAAAGTTTA300

133

AAAAATCCGA ATTNGAATCT GTAAAAACAG GTTTGCTTTT TAAGCCCAGN ATGTTGGATT360
GGAAAAANGT TACCANAAGA AAGGGGTTCA AGAAAAAGGA TCA 403

Name: 205 Len: 462 Check: 1820
TTTACAGGTA CACAATTTAA TATTTATTAT ATGCATTTTA TATACATTAT TTTTCAACAG 60
CTGTATGTTT GCTATGTGGT ACAATCTTAA AAATTTGCTG ATTCATAGTT TGTAAAACAA120
AAACCTTACA AAACATCA CA AACTCGCAA ACTGATCAGA AAAGTTTCTC GGAAGACTAG180
AAAAAATACT TTATTGTCTT AATCATGCAT TACACAAACA AAATCTTTAG TTACACCATA240
AAATTAAGCA CATCTAAAAA AATAAAACAG GGATAACTAG TCRAAACACA GCAGATTTCT300
GTATCCTGAT TCAACTATTT TTGTATCCTA TTTGTAATGC AAATAAACT TTAATCCAAA360
TATTTTTTAA CAAGTTAGTT TTGTTTGGAA TCATGGTAAA CCAAGATATA TATCTTAGGG420
GGAACCACCT TGGTTTGTAA TTAAACTAT AAAATACTCC AT 462

Name: 206 Len: 724 Check: 21C0
GTCAGGGGCT GTAGCAAGTA CATTAGCTTC AAGTTCCTTA ACTTGGACAT TCAATATTC 60
TTCTTGCTCT ATTAACGCT GGATGCTTGC AGTAAATTTT TCTAGTGTGT TCCTCATTTTC120
TCGTTCACTA TGCCGTAAC TAACTACTCT TTCTTCAAGT TGTACTTTCT GTTCTTGGAT180
TTGCATTGCT TTTTGTAGAT CGTTTGTCAA CTGTGATTCC ATTTTGTTTA CCTCTTCTTC240
AGAGATTTCA ATAACAAGTG AGGAACCCAT TCTTCTTTT ATTACTTTGC TTCCACCACC300
AGTCATTGTA CTGACTGTT CTATGATTG TCCCTGTAAA GTTACCACTC TCCATCTTCT360
ATCTTTTTGA TATGCTACTC TTGTGGCTTG ATCCAAGTTG TCAGCTACTA AGGTATCTCG420
TAAAGCAAAA TAAAAAGCTT GGCGAATTTT CTCATCTTTT ACTTTTACTA AATCAAATAA480
ACGAGGAGTA TTTTCAGGAG TTTGAATTC GGTATCTTTT TTCGCCCATA CAGCCATCTT540
ATCTAAACCT ATAAAAGTTG CAACTCCAAT ATTTTTGTCT TTTAAGGAAG TTACACATTT600
CTTGGGCTAT ATCAAATAGA TCAACCAACA ATGTAGTCCA GTGCATGACA ACAGGATGAT660
ATAACCACCT CGGATTTTTT ATTAATGGGT TCTAAGGCC CAATCGTCCA TATATTTCTG720
GAAC 724

Name: 207 Len: 371 Check: 1633
CCTCGTGCAA GTTANAGGTT CGCNGGNTG CAGACCTCAC AGAAGATCAG CTACCCTCCT 60
GTGAGAGTCT GAAGGATACT ATTGCCAGAG CTCTGCCCTT CTGGAATGAA GAAATAGTTC120
CCCAGATCAA GGAGGGGAAA CGTGTACTGA TTGCAGCCCA TGGCAACAGC CTCCGGGGCA180
TTGTCAAGCA TCTGGAGGGT CTCTCTGAAG AGGCTATCAT GGAGCTGAAC CTGCCGACTG240
GTATTTCCAT TGTCTATGAA TTGGACAAGA ACTTGAAGCC TATCAAGCCC ATGCAGTTTC300
TGGGGGATGA AGAGACGGTG CGCAAAGCCA TGGAAAGCTGT GGCTGCCCAG GGCAAGGCCA360
AGAAGTGAAG G 371

Name: 208 Len: 359 Check: 57A
CGGCCATCAC CTCATTCCTG TCAAGGAGAA CCTCGTTGAC AAAATCTGGA CAGACCGTCC 60
TGAGCGCCCT TGCAAGCCTC TCCTCACACT GGGCCTGGAT TACACAGGCA TCTCCTGGAA120
GGACAAGGTT GCAGACCTTC GGTTGAAAT GGCTGAGAGG AACGTCATGT GGTTTGTGGT180
CACTGCCTTG GATGAGATTG CGTGGCTATT TAATCTCCGA GGATCAGATG TGGAGCACAA240
TCCAGTATTT TNNTCCTAG CAATCATAGG ACTTAGAGAC GGTATGCTC TTCATTGATG300
GTGACCGCAT AGACGGCCCC AGTGTGAAG GAGCACCTGN TTTCTTTAAC TTGGGCTTG 359

Name: 209 Len: 353 Check: 22DB
TGGCACGAGG CCGTGTCCAA GATGTTTTCA GTTCAACACA CAGTCTCCTC CATTATTTTG 60
ATCGTCTGAT TCTTACCGGA GCCGAAAGCA AAAGTAATGG GGAAGAGGGC TATGGCCCGA120
GCTTGAGATA CGCCGCTCTG AATCTTGCCG CCCTGCACTG CCGCTTCGGT CACTATCAAC180
AGGCAGAGCT CGCCCTGCAG GAGGCAATTA GAGTTGCCCA GGAGTCCAAC GATCACGTGT240
GTCTCCAGCA CTGTTTGAAG TGGCTTTATG TGCTGGGGCA GAAGAGATCC GATAGCTATG300
TTCTGCTGGA GCATTCTGTG AAGANGGCAG TACATTTTGG GGTTACCGTA CCT 353

Name: 21 Len: 561 Check: 14E5
AGCCAGGTTT CCGAGGTGCT GAGAAGNCAN GAAACTCCGC AGACTACTCC TCAGAGAGCA 60
AAAAGCAGAA AACTGAAGAA AAGGAAATTG CAGCTCGTTA TGACAGCGAT GGTGAGAAAA120
GTGATGACAA CTGGTGGTT GACGTTTCCA ATGAGGATCC ATCTTCCCCT CGAGGGAGCC180
CAGCACATTC CCCCAGAGAG AATGGCCTAG ACAAGACACG CCTGCTCAAG AAAGATGCCC240
CGATTAGTCC AGCCTCTATT GCATCTTCCA GCAGTACTCC CTCCTCCAA TCCAAAGAAC300
TTAGCCCTTAA TGAAAAATCT ACTACTCCCG TCTCAAAGTC CAATACCCCC TACTCCACGA360
ACTGATGCNG CCACCCCCAG GCAGTAACTC TANTCCCGGG ATTTGAGGCC TTGTANCTGG420
GAAAACCACC AGGAGTTGGA CCTTTTGGGC TCAAGCCTAA GGACCCCAAT GGGAGTACC480
TTTGTCCATA TNCAANTCCA TTTGGGGATT GTGCCCATGC TGGAAATGAAC GGGGAGCTGA540
NCAGCCCGGG NGCGGGCTAC G 561

Name: 210 Len: 651 Check: EC9
TTTTTTTGAC TGTCTTCACA TTAATGGAGA TTGGTGATT CTCTTCAGCT TTTACTTCTC 60
TTGGTGATGA TGGCTGGAG GCTGGAGAAA ATCCACCCAG GGTGAAAGG GCTGGAGTTTC120
CATCCGGATT CAATCCCTTT GCTTTTAATT TGGCTTCTTG TAAGGCTACT TTTCTTTTTT180
CTACTTCTTT TTCCAGTAAT TCATAGTTTG GCTTTTTTCT GGTATAAAGC CTAAGTGTTT240

134

CTATGCAGAT TTCCTGGATT TCCTCTTCTG TAGTACCAAA AAGAAGAAAC CAATGGGGAC300
 GAGTTGGCAA CGGAATCTGA AGTGCTCTAG CTGCAAGGTA GATGCAAGCA CATGCTATAG360
 TCTCTGGTTG AAATCGAACA AACACATTGG TTCGAAGACT GTCATTTCATG TAATTCCAGG420
 CAGTTTGAAC CAGGGTTTGA TTACGTTTCA ATTCTAAGAC TTGTAAATAC ATAACAATGA480
 TCTTATGAGG ATGCTTGACA TGAACACAAA ATCCCAACTC CTTTAGCACC CTCCTCTCTG540
 CTTTGATAAC TTGATTTTGT GTGTTAATGT AGTTCTGATC AAGGATCAGG GGGCTTGGAG600
 TCTTTTTCCT TTTAACTGGC GGAGGTGGTG GAATACATTA ATCACATCTC T 651

Name: 211 Len: 789 Check: F55
 CAAGAGCACT ACATGANGGG CTCTGACGGC GCCCCGGACA CTGGGTACCT GTGGCATGTT 60
 CCATTGACAT CCATCACCAG CAAATCCAAC ATGGNCCATC GATTTTGTCT AAAAACAAAA120
 ACAGATGTGC TCATCCTCCC AGAAGAGGTG GAATGGATCA AATTTAATGT GGGCATGAAT180
 GGCTATTACA TTGTGCATTA CGAGGATGAT GGATGGGACT CTTTGACTGG CCTTTTANAA240
 GGAACACACA CAGCAGCCAG CAGTAATGAT CGGGCAAGTC TCATTAACAA TGCATTTTCAG300
 CTCGTCAGCA TTGGGAAGCT GTCCATTGAA RAGGCCTTGG ATTTATCCCT GTACTTGAAA360
 CATGAAACTG AAATTATGCC CGTGTTCCTAA GGTTTGAATG AGCTGATTCC TATGTATAAG420
 TTAATGGAGA AAAGAGATAT GAATGAAGTG GAAACTCAAT TCAAGGCCTT CCTCATCAGG480
 CTGCTAAGGG ACCTCATTGA TAAGCAGACA TGGACAGACG AGGGCTCAGT CTCAGAGCAA540
 ATGCTGCGGA GTGAACTACT ACTCCTCGCC TGTGTGCACA ACTATCAGCC GTGCGTACAG600
 AGGGCAGAAAG GCTATTTTCAG AAAGTGGGAG GAATCCAATG GAAACTTGAG CCTGCCTGTC660
 GACGTGACCT TGGCAGTGTT TGCTGTGGGG GCCCAGAGCA CAGAAGGCTG GGATTTTCTT720
 TATAGTAAAT ATCAGTTTTC TTTGTCCAGT ACTGAGAAAA GCCAAANTGA ATTTNCCCTC780
 TTCAGAACA 789

Name: 212 Len: 457 Check: D31
 CAATTAAGGG CTTTGGCGGG ATTGGCTCCG CGTTTGGGCT GGTCGCTGC TCCCCACCTA 60
 CCAGGGTCCG ATCCGGAGCC CTTCCCCGCG GGGCGGGGAC CTCCAACAA CCGACTCCTT120
 TCCAGCTGAA GAAACACTTA AATTCTGGAA ATAGCGACTC AGTATCATGG CCAGCAGCCT180
 TAATGAAGAT CCAGAAGGAA GCAGAATCAC TTATGTGAAA GGAGACCTTT TTGCATGCCC240
 GAAAACAGAC TCTTTAGCCC ACTGTATCAG TGAGGATTGT CGCATGGGCG CTGGGATAGC300
 TGTCCTCTTT AAGAAGAAAT TTGGAGGGGT GCAAGAACTT TTAATCAAC AAAAGAAATC360
 TGGAGAAGTG GCTGTCTCTGA AGAGAGATGG GCGATATATA TATTACTTGA TTACAAAGAA420
 AAGGGCTTTC CACAAGCCAA CTTATGAAA CTTACAG 457

Name: 213 Len: 727 Check: 30C
 TTTTTTTGCT GGTAATATAT TGCTGCACTG AGTGTGTGCA ATTTTATTC AAGGTCATCG 60
 TGATGCTGAG AAGTTTCTGT GATAACCTGT CCATCTCTAG TTCAACCGT CTTAATCAGA120
 AGTGTCCTTT TTGAGTGGGT ATCAACCAGA GGGAGTGAAT CCAGATTAGT TTCCCTCAGG180
 TTCAGGGAGG AAAAGTTTGG AAGAGGCAGA GAAATCCTGC TCTCCTCGCC TTCCAGCAGC240
 TTCCTGTAGG TGGCAATCTC AATGTCAAGG GCCATCTTAA CATTGAGCAG GTCTTGGTAT300
 TCACGAAGGT GACGAGCCAT TTCCTCCTTC ATATTCTGAA TCTCATCCTG CAGGCGGCCA360
 ATAGTGTCTT GGTAGTTAGC AGCTTCAACG GCAAAGTTCT CTTCCATTTC ACGCATCTGG420
 CGTTCCAGGG ACTCATTGGT TCCTTTAAGG GCATCCACTT CACAGGTGAG GGACTGCACC480
 TGCTTCCGGT ACTCAGTGA CTTCTGCTTT GCCTGGCGCA GGGCGTCATT GTTCCGGTTG540
 GCAGCCTCAG AGAGGTGAGC AAACCTGGAT TTGTACCATT CTTCTGCCTC CTGCAAGTTT600
 TTGGCAGCCA CACTTTTCATT TTGCTGACGT ACGTCACGCA GGGCAGCGCT GAGGTCAAGTC660
 TTGGAACAT CCACATCGAT TTGGACATGC TGTTCTGGA TCTGAGCCTT GCGCTTCTGG720
 ATTTCTT 727

Name: 214 Len: 622 Check: 19DE
 GCTCCTGTCA GTACACACTC CCAAACAGTT AAACCCAGCT CTAATTCCAA CTCTGCAAGA 60
 GCTTTTAAGC AAATGCAGGA CTTGTCTGCA ACAGAGAAAC TCACTCCAAG AGCAAGAAGC120
 CAAAGAAAGA AAAACTAAAG ATGATGAAGG AGCAACTCCC ATTAAGAGG GCGGTGTTAG180
 CAGTGATGAG GAGCACACTG TAGACAGCTG CATCAGTGAC ATGAAAACAG AAACCAGGGA240
 GGTCTTGACC CCAACGAGCA CTTCTGACAA TTGAGACCAGA GACTCCTCAA TTATTGATCC300
 AGGAAGTGA CAAGATCTTC CTTCCCCTGA AAATAGTTCT GTTAAAGAAT ACCGAATGGA360
 AGTTCCATCT TCGTTTTTCAG AAGACATGTC AAATATCAGG TCACAGCATG CAGAAGAACA420
 GTCCAACAAT GGTAGATATG ACGATTGTAA AGAATTTAAA GACCTCCACT GTTCCAAGGA480
 TTCTACCCTA GCTGAGGAAG AATCTGAGTT CCTTCTACT TCTATCTCTG CAGTTCTGTC540
 TGAATTAGCT GACTTGAGAA GCTGTGATGG CCAAGCTTTG CCTTCCAGG ACCCTGAGGT600
 TGCTTTATCT CTCAGTTGTG GC 622

Name: 215 Len: 448 Check: EDC
 ATAGTTAAAC AACTTTATTA ACATAGTCAA GCAGTGATTA ACATTACAT CTATTATGTC 60
 ACATCATACA AATGTAAATA CAAAATTACT ACAGTACAAT ATATATTCTC TGCATGATCC120
 AAAATATTTG GTGGCCCCAA AAACTCTCT TTAATAATTCA GCAGCTTATC AAAAATTAAA180
 ACCGTATTCT ATTTAAATG GAGATCTGTT AGCACAGAGT TAGACTTCAA GAAATATCAA240
 TTTAGTACAG TTTGAGAAGT TGCAGGAGGA TATGTTTGA GACACATTC TAACATAGTG300

135

TGGCAGGTAC AGGAAACATC AGATTTAAAG CTTTAAAGCA TAACTCATAC AACCTAAGTT360
GTCAGCAGAA AGATCCAGTT ATATTTGTAA CTAAGCTAA TGCTACTAAA TTATTGCACC420
CAATGTTAAC ATATTAAAGTG TAAAACTG 448

Name: 216 Len: 595 Check: D48
TCTGTTCTAA TGTATCATTA AGCTCCTTAA AATACTGGAG AACAGCTTCC TTATCGCCTT 60
GGATCATTTT CTCAGAAATGA GATTTTTTGT CTTTCAGCTT TTCATAAGA TGGGTAAGAT120
CTGTCCAGTG TGTGTCTAGTC AACTGTTCAA GCAGTTTTTG AGGAGTGTCC TTTTCTTTCA180
AATAGGCACT TTGAAGGTCA TCTATAGGAT GACCATGATG TTGACCTATG GTAAGGCAAT240
GACCACAAAC TAATTTTTTA TCTAATAGAC AGTAAACATT TAATGGTTGC CTGTAATGTT300
CAGGGCAGGT GACAATATCT GGATGGTCTT CTTGTCTGGTA CTTTTCAATA ATAGCCCTTA360
GTGCAAAATT AACAGGTAAG GATTCAATGC CAGTTGGAGC AATTTTCAGTA ATACTTCTGC420
AATTAGGGCA CTTGAGTGGG ATTCTGTAAAG GTCTCCATAT ATAAAAGTTA CCAGATGCCT480
GAAGAATGTT TTCCAAACAA TTTCTACAAA ATGTATGAGA GCATGGCAGT ACACGAGGAT540
CTTCAAAAT ACTATAACAT ATGGGACAAG TTAACCTCTG CTCANAATTG TGCAT 595

Name: 217 Len: 153 Check: 330
AAGTGGGTGG GCTTGCCAAAG CTCGACACCA GTGCGACTGA GGCCAGGGCC CTCGGCCTTC 60
ACCTTACTGG CGTCATGAGA GGGCTCCACC TTGACTCGGA TGGGGCTGGT GGGCGTGGCC120
TGCTCAGCAA AGAGGACCAT AATGGTGTAG CTG 153

Name: 218 Len: 446 Check: 9BD
TAGATGGCTA CTTCCGGCTC ACAGCAGATG CCCATCATTA CCTCTGCACC GACGTGGCCC 60
CCCCGTTGAT CGTCCACAAC ATACAGAATG GCTGTCTATG TCCAATCTGT ACAGAATACG120
CCATCAATAA ATTGCGGCAA GAAGGAAGCG AGGAGGGGAT GTACGTGCTG AGGTGGAGCT180
GCACCGACTT TGACAACATC CTCATGACCG TCACCTGCTT TGAGAAGTCT GACGAGGTGC240
AGGGTGCCCA GAAGCAGTTC AAGAACTTTC AGATCGAGGT GCAGAAGGGC CGCTACAGTC300
TGCACGGTTC GGACCGCAGC TTCCCGAGCT TGGGAGACCT CATGAGCCAC CTCAGAAGC360
AGATCCTGCG CACGGATAAC ATCAGCTTCA TGCTAAAACG CTGCTGCCAG CCCAAGCCCC420
GAGAAATCTC CAACCTGCTG GTGGCT 446

Name: 219 Len: 581 Check: A7F
ACGGATAGCG GATCTGCGAC AGGGGCTGCT GGACATCAGC AACCATTTC A TCCCTCTGTC 60
TGGGCACCTT GGCTGGTAGA CTATTTTCCA TCCGAGTCTC CTCTTCAGCT TTTTCCGTTT120
GCTCAGTTTT TGGTTTATCT TTCTCTCAA ACTGTGATGC TTCTTGAGAC TGATGGTCTG180
AAGGAGTACC TGGTCTAGCA GTGATGATG AGGTCTGGGG AGTTTCCTCA CTAGCTTCAA240
CTCCTACTCT ATCTGTTTTT TCTCCTTCTT TCTTATTGT CTTATCGGGT TCTTTGGCCT300
CTTCATTATG GCTACCCTCA GAGTCAGAGC ACTCCTCCCC TTCGTCCACA GGCCGGAAGT360
CCATCTCCTG CTCTTCTGGA ATAGGCTCTT TCTGTACTTT TTTTAGAGAA AGGAATGCTC420
CAGATGAGTC AAATGTACCC ATTTCTTCTT CAGCATCCTC TAAGCACCAT TCGGGCAAGC480
TATCCCTGTC ATCATCTATG CTTCCACTGC CAGAGCGAAC CCGATAAGAC AAATAAGAAA540
GAAGGAGAGA AAACAGATCC GCTAGCAGAT CCGCTATCCG T 581

Name: 22 Len: 450 Check: C1B
CCAGAGTTTT ACATTACACT TGTCTGTCTT ATAATTGATA TTTTAGGATG TTTGGGTGTT 60
TGTTACAGGC AGAATTGGAT AGATACAGCC CTACAAATGT ATATGCCCTC CCCTGAAAAA120
AATTGGATGA AAATCTGCAC AGCAAAGTGA AACACACAGA TAATAGGAAC AAAATGTAGT180
TCCCATGTGC CAAACAAAAT AAATGAAATC TCTGCATGTT TGCAGCATAT CTGCCTTTTG240
GGAATGTAAT CAAGGTATAA TCTTTGGCTA GTGTTATGTG CCTGTATTTT TTTAAATGG300
TACACCAGAA AAGGACTGGC AGTCTACTTC TACCATAGTT AAACCTTACC CTCTTTAATT360
TCACAACATA TTCTTTGGAA GCAGGAAGAA ATGCTCATAA AGAGGATCAG ACCTTCTTTC420
CCGTGAAACC AGTATTGGGC GCCATATATA 450

Name: 220 Len: 372 Check: B74
TTTGAACATA ATAGCACGAT GTTGAATCC GACTTGGGGA CCATGGTGAT AAACAGTGAG 60
GATGAGGAAG AAGAAGATGC AACTATGAAA AGAAATGCAA CCTCACCACA AGTACAAAGA120
CCATCTTTCA TGGACTACTT TGATAAGCAA GACTTCAAGA ATAAGAGTCA CGAAAAGTGT180
AATCAGAAAC TGATGAACC CTTCCCTATG TCCAAAAACG TTTTTCCTGG ATTAAGTGGG240
AAAGTTCCCTC CAAGATGGGA GACTTTTTTGA CTTTTTTTGG AAAAATCTTA AGTTTTAGGN300
AGGAACCTTAC CAGGTTGCGG GTTTAAAAAG GCACTTGGGA CCCCCATGGT TGGGGAACGG360
GGNGGTTAGG GA 372

Name: 221 Len: 448 Check: 77C
TTTTTTTTTT TTTTATGATG CACTCCAAGT GCCATATGTC TATTTTATTC TTCAGGAAAT 60
TATATTTTTT TTTTACAAGA GCACAACAGG AACCAAAGTA AAAGAGTAAT AGATACAGCA120
CTCAGGATAA ATCATATCTT TAAAATAATA ATAAAAAAT TTACACCTTG TCCTATATCC180
TGTTAGTATT TTCATAATAT GGCCATGATT GAAAAACAA AAAGCAAGCA TCTACAATTT240
TTTTTGATAA AGACTTTTTA TGCCAGGAAT GGATTAATTA CCAACAAAAT TTATACTAAT300
CAGGCTGATG TCAATCTAT TTTGTAATGT ATCATTAACA AATTTATTTT GGAAAAGATA360
AAAAATATTGC CCCTTGATAA TAAATCTTTT TTTCCCTTGA TGCAACAGC TAGAACACCT420

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TTTTCTTTTT CTTTTTGATA TTCTAAGA 448
Name: 222 Len: 373 Check: A98
GTTGCACATG CCGTCCGCCA TGACTGTGTA TGCTCTGGTG GTGGTGTCTT ACTTCCTCAT 60
CACC GGAGGA ATAATTTATG ATGTTATTGT TGAACCTCCA AGTGTCCGTT CTATGACTGAI20
TGAACATGGG CATCAGAGGC CAGTAGCTTT CTTGGCCTAC AGAGTAAATG GACAATATAT180
TATGGAAGGA CTTGCATCCA GCTTCCTATT TACAATGGGA GGATTAGGTT TCATAATCCT240
GGACCGATCG AATGCACCAA ATATCCCAA ACTCAATAGA TTCCTTCTTC TGTTCATTGG300
ATTGCTCTGT GTCCTATTGA GTTTTTTGAT GGCTAGAGTA TTCATGAGAA TGAAACTGCC360
GGGCTATCTG ATG 373
Name: 223 Len: 386 Check: 824
GGCAGGAGGC TTCAAGCTAC TCGGAAATG CATCCTGCAG ATGACCCGGC CTGTGGTGGA 60
GGGGTCCCTG GGCAGCCCTC CATTTGAGAA ACCTAATATT GAGCAGGGTG TGCTGAACTT120
TGTGCAGTAC AAGTTTATGTC ACCTGGCTCC CCGGGAGCGG CAGACGATGT TCGAGCTCTC180
AAAGATGTTT TTGCTCTGCC TTAACCTACTG GAAGCTTGAG ACACCTGCCC AGTTTCGGCA240
GAGGTCTCAG GCTGAGGACG TGGCTACCTA CAAGGTCAAT TACACCAGAT GGCTCTGTTA300
CTGCCACGTG CCCCAGAGCT GTGATAGCCT CCCCCGCTAC GAAACCACTC ATGTCTTTGG360
CGGAAGCCTT CTCCGGTCCA TTTCA 386
Name: 224 Len: 593 Check: 106B
GGCAGGAGGA TTGCACACCT AAACCTTCGA GATCATCAGC TGCCTTTCAA ACATTTAATT 60
GGCCAGGTTA TGATTGACAA AAATCCAGGA ATCACCTCAG CAGTAAATAA AATAAATAAT120
ATTGACAATA TGTACCGAAA TTTCCAAATG GAAGTGCTAT CTGGAGAGCA GAACATGATG180
ACAAAGGTTT GAGAAAACAA CTACACCTAT GAATTTGATT TTTCAAAAGT CTATTGGAAT240
CCTCGTCTGT CTACAGAACA CAGCCGTATC ACAGAACTTC TCAAACCTGG GGATGTCTTA300
TTTGATGTTT TTGCTGGGGT TGGGCCCTTT GCCATTCCAG TAGCAAAGAA AAACCTGCACT360
GTATTTGCCA ATGATCTCAA TCCTGAATCT CATAAATGGC TGTGTACAA CTGTAAATTA420
AATAAAGTGG ACCAAAAGGT GAAAGTCTTC AACTTGGATG GGAAAGACTT CCTCCAAGGA480
CCAGTCAAAG AAGAGTTAAT GCAGCTGCTG GGTCTGTCAA AAGAAAGAAA ACCCTCTGTG540
CACGTTGTCA TGAACCTGCC AGCAAAAGCT ATAGAGTTTC TTAGTGCTTT CAA 593
Name: 225 Len: 477 Check: 26B9
GTAAGTTCAG CGCGCCCGCT CCGGCCCGCC CTGCGCCTCC CGCCGCGCCC GGGATGTATT 60
CGTCCCGCT CTGCCTCACC CAGGATGAGT TCCACCCGTT CATCGAGGCC CTGCTGCCTC120
ACGTCCGCGC CTTCCGCTAC ACCTGGTTCA ACCTGCAGGC GCGGAAGCGC AAGTACTTCA180
AGAAGCACGA GAAGCGGATG TCGAAGGACG AGGAGCGTGC GGTCAAGGAC GAGCTGTCTG240
GCGAGAAGCC CGAGGTCAAG CAGAAGTGGG CGTCGCGGCT GCTGGCCAAG CTGCGCAAGG300
ACATCCGGCC CGAGTCCGCG GAGGACTTCG TGCTGAGCAT CACCGGCAAG AAGGCGCCGG360
GCTGCGTGT CTTCAACCCC GACCAGAAGG GCAAGATGCG CTCGATCGAC TGTCTCCGGC420
AGGCGGACAA GGTGTGGCGG CTGGACCTGG TCATGGTCAT CCTGTTCAAG GGCATCC 477
Name: 226 Len: 299 Check: DE7
GCCAAAGCTC AATACCCCAT TGCTGATTG GTAAAGATGC TCACTGAGCA AGGCAAAAAA 60
GTCAGGTTTG GAATTCACCC AGTTGCAGGC CGAATGCCTG GNCAGCTTAA TGTGCTGCTG120
GCTGAGGCTG GTGTGCCATA TGACATTGTG TTGGAAATGG ATGAGATCAA CCATGATTTT180
CCAGATACTG ATTTGGTCCT TGTAATTGGA GCTAATGACA CTGTTAATTC AGCAGCTCAA240
GAAGATCCCA ACTCTATTAT TGCAGGCATG CCAGTCCTTG AGGTCTGGAA ATCAAAGCA 299
Name: 227 Len: 390 Check: 2565
GAGTGAAGGA GTTGAACTT TTCTTGTTAG TGTACAACTC ATTTTGCGCC AATTTTCACA 60
AGTGTGTTG TTTGTCTGAA TGAGAACTGA GAAGGTTTTT ATACTCTGGG ATGCAACCGA120
CATGTTCAAA TGTTTGAAAT CCCACAATGT TAGACCAATC TTAAGTTTTG TAAGTTATTT180
CCTTTAAGAT ATATATTAAA CAGAAATCTA AGTAGAACTG CATTGACTAA CCAGTCCCTC240
TGGATGGTGG TGAACCTGAA GCATGCTTTA ACCTCTAAGA CTGTCTAACA CGCGTTTCAT300
TCAATGTCTC CACAGACTGG GTAGCAAAAA AATCACCTTT TAGTTTTAGT TTTTAATCTA360
AAGATGTTAG ACAGATGCTG AGTGTGCGTT 390
Name: 228 Len: 423 Check: 1661
TTCCTCTGTC GGGTGTGGCC AAGTGGGGAT AAAGAGAAGA GCAACATCTC TAATGACCAG 60
CTCCATGCTC TGCTCTGTAT CTACTTGGAG CACACAGAGA GCATTCTGAA GGCCATAGAG120
GAGATTGCTG GTGTTGGTGT CCCAGAAGCT ATCAACTCTC CTAAAGATGC ATCTTCTCTC180
ACATTCCCTA CACTGACCAG GCATACTTTT GTTGTGTTTCT TCCGTGTGAT GATGGCTGAA240
CTAGAGAAGA CCGTGAAAAA ATTGAGCCTG GCACAGCAGC AGACTCGCAG CAGATTTTCAT300
TAAGAGAAAC TCCTCTACTG GGAACATGGG CTGTTTCGAGA CTTGAGTATC CTCAATCAAC360
TGGGATTAAG GGTATTTTGA TAGTTCATCC TGTTNCTGGC ATGTATGTTT GGAAGGGAAG420
GAT 423
Name: 229 Len: 417 Check: 1300
TAGAAAAGAA AAGAAAACCT GAAACTAATC CTGATATTAA GCCATCAAAT GTGGAACCTA 60
TGGAAAAGGA GTTTGGGCTT TGCAAACTG AGAACAAGC CAAGTCGGGC AAACAGAATT120

137

CAAAGAAGCT GTACTGCCAA GAACTTAAAA AGGTGATTGA AGCCTCCGAT GTTGTCTAG180
AGGTGTTGGA TGCCAGAGAT CCTCTTGGTT GCAGATGTCC TCAGGTAGAA GAGGCCATTG240
TCCAGAGTGG ACAGAAAAAG CTGGTACTTA TATTAAATAA ATCAGATCTG GGTACCAAAG300
GAGGATTTGG GAGAGCTGGG NTAAATTATT TTGAAGGAAA GATTTGCCCA ACAGTGGGTG360
TTTCAGAGCC TCAACCAAAA CCCAAAGGGT TAAAGGGGGN GGTTTACCCA GGGTTTC 417

Name: 23 Len: 476 Check: 213A
CGTACTGCTT CCGATATGGT ATCGACATCC CGTATCTTAG TTGCAGTAGT GAAGATGTGC 60
TATGAGGCTA AAGAATGGGA TTTACTTAAT GAAAATATTA TGCTTTTGTC CAAAAGGCGG120
AGTCAGTTAA AACAAGCTGT TGCCAAAATG GTTCAACAGT GCTGTACTTA TGTTGAGGAA180
ATCACAGACC TTCCTATCAA ACTTCGATTA ATTGATACTC TACGAATGGT TACCGAAGCA240
AGATTTATGT TGAATTGAG CGTGCCGAC TGACTAAAAC ATTAGCAACT ATAAAAGAAC300
AAAATGGTGA TGTGAAAGAG GCAGCCTCCA TTTTACAGGA GTTACAGGTG GAAACCTACG360
GGTCAATGGA AAAGAAAGAG CGAGTGGAAAT TTATTTTGGA GCAAATGAGG CTCTGCCTAG420
CTGTGAAGGA TTACATTCTGA ACACAAATCA TCAGCAAGAA AATTAACACC CAAATT 476

Name: 230 Len: 441 Check: 1340
CAGTTTCATG TATTTGAATC GACAAGACAC CTCCTCGAT TCTCCATGTA TGCGCTGACC 60
AGCCTGGACC CTGCCAGTGA GCCAATCAGT TATGTTAACT TTACCATTGC AGAACGGGCA120
CAGAGGGTTG TTGTATGGCT CGGTCAGAAC TTTCTGTTAC CAGAAGACAC TCACATTCAG180
AATGCTCCAT TTCAAGTGTG TTTACATCT TTACGGAATG GCGGCCANCT GCATATAAAA240
ATAAACTTA GTGGAGAGAT CACTATAAAT ACTGATGATA TTGATTTGGC TGGTGATATC300
ATCCAGTCAA TGGCATCATT TTTTGCTATT GAAGACCTTC AAGTAGAAGC GGATTTTCCT360
GTCTATTTTG AGGGAATTAC GGAAAGGTGC TAGTTAAGGT GGATGAATAT CCTTTCAGTG420
CATTGAGAAG CTCCAGTGCT T 441

Name: 231 Len: 333 Check: 8BC
GGTGTCCAG GAAGTCAGCC ATTACTCCCC AGTGGAATGG ATCCAACTCG ACAACAAGGA 60
CATCCAAATA TGGGTGGGEC AATGCAGAGA ATGACTCCTC CAAGAGGAAT GGTGCCCTTA120
GGACCACAGA ACTATGGAGG TGCAATGAGA CCCCCACTGA ATGCTTTAGG TGGCCTGGG180
AATGCCTGGG AATGAACATG GGTCCAGGTG GTGGTAGACC TTGGCCAAAC CCAACAATG240
CCAATTTCAA TTACCATACT CCTTCAGCAT CTCCTGGGGA ATTTATTGTT AGGTCTCCA300
GGGAGGTTGA NGGGCCACCA GGNACACCC TTC 333

Name: 232 Len: 402 Check: 1753
CCCTTTACAC AGACTCACTT GTCACACTC GCCATAGAGT ACAGCCACAG CCACGACAGG 60
TACCTACCAG GTGAAACCTT TGTCTTGGG AATAGTCTGG CCCGCTCCTT GGAACCACAC120
TCAGCTCAA TGGACTCTGC CTCAAAATCCC ACCAACCTTG TCAGCACCTC CCAAAGGCAC180
CGGCCCTTGC TTTTCATCTG TGGCCTCCCA CCAAGCACTG CCTCAGCTGT GCGCAGGCTA240
TGCTCCAGGG GGTCCGACCG ATACCTGGGA GAGCCGCGAT GCCTCTTCEA CTGAGTGGCC300
GGGACCCCTT CCTTCATGGG ACAGTTCGAG GATGTTGATT GCAGTTTGT TCCGGGGAAG360
GTTGATTCTT CAGGTTTGGG ACCCAAGGT TGAACCTGTT TT 402

Name: 233 Len: 492 Check: 1260
TGGGATCATA AGGAGCCCTT AAATACTTGT TATTGACTGG GGTATTTTT ATGCTGTAGC 60
AAATGTGACA GGCTCTTTT AGCAAAATTT TTGAAAATTT TTTTGGTATT ACTCTGAAAC120
AAAATTTAAG TTGGAGTTTC AGGGATTAGG GGAGTAGTTT TCATTCTACA TGAAGTGGG180
TAATATTATG GTAACCTCAA TATTTGGTTA AAAAACTAT ACAATCAGA ATAGTACTAA240
AATACTGTAG GAATTTTAGG CATTTTTATT TTGCACCTTG TGTGGGATTG AGGGTGTTC300
GGAAATACCC AACCCATTAA AAATGTAATC TAGTTGGGCC AAAGGGTGTG CGGCTTAAAA360
CACGGGAACC CGAACNTGGC NTTGGNTTGG GGNTAACTTT TTGAGGGGTT TTTTGTCCAA420
NAGGCCNTGT GGAGGAGTTA CCATTTTTCN TTAAGGTTG GGTGGGTCCC CCTGTCCAGA480
GTTCTNGGGG AC 492

Name: 234 Len: 321 Check: 7
CGTGGCACTC CACCAGCTCT ACCAATACAC GCAGAAGTAC TATGACGAGA TCATCAATGC 60
CTTGGAGGAG GATCCTGCCG CCCAGAAGAT GCAGCTGGCC TTCCGCCTGC AGCAGATTGC120
CGCTGCACTG GAGAACAAGG TCACTGACCT CTGACCTACA ATCTCCAGTG CTGCCCTGGG180
ACATAGGTAC CTGAGGTACC TGAGAGCCCC TCAGGGANGG NGCCCGAGTG GCTGTGGCTG240
AGGCCCCCAC CCTCCCTTGG GAACGCGCCC CAAGCCGGAN TGGGTGCAGC CGGAACCCGN300
CCAGCGTTTT AGACTGTAGC A 321

Name: 235 Len: 359 Check: 1B4B
GCTTGCTATG AAGCAGTGTG TGAATGGACA ATGTTGAATG AATGTCTGGC TCAGTGATGG 60
AGAGCCAGGT TCATCTTTG AATCTAGGGC TCTTCACTCA TGAAGCAGAC TCCTAGTCCT120
GGAGTGAGTG TGTACGAGAG CGTGTTGTG GTGCTGTATG TGAACGCATG CAAGCTTGAT180
TCACCTTCAG GGGGCTGATA ACCTAGTAAA TCATCAAAAT GAGATCATAA GTGTTAATGT240
ACACTGGACA TGAAPACAAA GACTGGTTTA GCAGCAGACA TTGTTTACT CTGAGCCTG300
TGTTTTCTGT TTCCCCCTTT CCCACCTCCT TCCCCCACCA CAATCCTTTT TTTTTTTTT 359

Name: 236 Len: 306 Check: 3C9

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GTGATGATGG GCAGCCTGGT GTACCTGCGG CTGGGCTTGG AGAAGTCACC CTACTGCCAC 60
CTGCTGGACA GCAGCCACTG GGCAGAGATC TGTGAGACCT TTACCCGGGA CGCCTGTTCC120
CTGCTGGGGC TTTCTGTGGA GTCCCCCTT AGCGTCACTT TTGCCTCTGG CTGTGTGGCG180
CTGCCTGTGT TGATGAACAT CAAGGCTGTG ATTGAGCAGC GGCAGTNCAC TGGGGTCTGG240
AATCANAAGG ACGANTTACC GATTGAGATT NAACTAGGCA TGAAGTNCTG GTACCACTCC300
GTNTTC 306

Name: 237 Len: 395 Check: 23DC
GTCAAAATAT TACAGTAGAA TCTGAGTGTA ATATGTGTAA CCAAAATGAG AAAGAATACA 60
AGAAATGTTT CTGGAGCTAG TTATGTCTCA CAATTTTGTA GAATCTTACA GCATCTTTGA120
TAAACTTCTC AGTGAAAATG TTGGCTAGGC AAGTTCAGTT AAAATATAGT AGAAATGTTT180
ATCCTGGTAT CTCTAAGTAT ACATTTAATT GTACAGAAAA TTTACAGTGT AACATTGTTT240
AACATTTGCA GATTGACTGT ATATGACCTT AATCTTTGTG GCAGCCTGAA GGATCAGTGT300
AGTTAATGCC NGGGGAAAGT GCTTTTTTAC CTAGGACTTC CNTTCTCAGC TTCTCCCTT360
AAAGAGACCC CTAANTATGG CCNTTTTGGN TTTGT 395

Name: 238 Len: 440 Check: 1545
GACAATCCAT TAATCCAGC TGCCTGCATA GATCACATTT TTAAATGTA AAAATGCAAG 60
CAAAAACAGC TGTAACAAAG AAAGTGTGCT CAAGGACCAA AGATTTAACA GATAAAAATA120
CCCAATTAGA AGAGATATAG TAGACTATAT GAAGAGAGAT TATATTTGTT ACACACCAAT180
ATACATCAAA GTGCCTGTGT CTTTCTGAAA ATTGGAAGTG GCAAAATTAT TTTATGGTTT240
AATGATTATT TTATTTTATC AGGGACTGCC TCAAGAAGAA AATAACATAA GCTTGTGGAA300
TGGGTGGGAG AAAATGCCCT ATTTTTTCTT GGCAAAATACT TGTATTAAAG TTAACNTTGT360
TGGATCNTGA TATTATCCTA GGGTACNGTG TATGTGTGTA TTAATTATAN GGTGTGTGTG420
TANATTATAC CNTTTATATA 440

Name: 239 Len: 507 Check: 26EE
NGGCTCCTAT CAGTGCACCT GCCCTGATGG TTACCGCAAG ATCGGGCCCG AGTGTGTGGA 60
CATAGACGAG TGCCGCTACC GCTACTGCCA GCACCGCTGC GTGAACCTGC CTGGCTCCTT120
CCGCTGCCAG TCGGAGCCGG GCTTCCAGCT GGGGCCCTAAC AACCGCTCCT GTGTGATGT180
GAACGAGTGT GACATGGGGG CCCCATGCGA GCAGCGCTGC TTCAACTCCT ATGGGACCTT240
CCTGTGTGCG TGCCACCAGG GCTATGAGCT GCATCGGGAT GGCTTCTCCT GCAGTGATAT300
TGATGAGTGT AGCTACTCCA GCTACCTCTG TTCAGTACCG CTGCGTCAAC GAGCCAGGGC360
CGTTTNTTCC TGGCCACTCG CCACAGGGTT TACCAGCTGN TGGGCCAAAA GGNTTTTGGC420
AAGAACATTT GATTGAGTGT TGAGTTTGGT TGCGNAACAG TGGTTCGAG GGNCCAAANT480
TTGTTAAATT TCCATGGGGG TTAACGT 507

Name: 24 Len: 278 Check: DEF
AATTCGGCCC GAGGGTCCCT GGTGCAGATC CACGAAAAAA ACGGCTGGTA CACACCCCCA 60
AAAGAAGACG GCTAACCTTG GAGTATCACC CTTCTCCCT CCCCAGGCAC CACTGGACCA120
ATTACCTTTG AATGCTGTAT TTGGATCTCA CGCTGCCTCT GTGGTTCCCT CCTCATTTT180
TCTTGGACGT GATAGCTCTG CCTATTGCAG GACAATGATG GCTATTCTAA ACGCTAAGGA240
AAAAAAACAA ACACAGGACT GTTTNAAAGT ACTCAAGA 278

Name: 240 Len: 369 Check: 1CF5
GAGACAGATG GCCCACCAGG AGCTGTTGCT CTGGTTGCOCT TCCTGCAGGC CTNNGAGAAG 60
GAGGTGCGCA TAATCGTTGA CCAGAGAGCC TGGAACCTGC ACCAGAAGAT TGTGGAAGAT120
GCTGTTGAGC AAGGTGTTCT GAAGACGCG ATCCCGATAT TAACTTACCA AGGTGGATCA180
GTGGAAGCTG CTCAGGCATT CCTGTGCAAA AATGGGGACC CGCAGACACC TAGATTTGAC240
CACCTGGTGG CCATAGAGCG TGCCGGAAGA GCTGCTGATG GCAATTACTA CAATNGCAAG300
GAAGATGGAA CATNCAAGCA CTTNGGTTGA NCCCATTTNA ACGATCTNTT TCTTNGCTT360
GCGAGGANG 369

Name: 241 Len: 248 Check: 1F04
AATCTAATTC AAATTGTCAA AGCTACAAAA GGGGGGAAGA CATCTGTATT ANTTTTGCTA 60
AGTCACAACA TCCTAAAACA AAATACTACT ACTGTCAGCA GATCCATTAT ACACATTTCT120
GATGAAATCC ATTAGAACAA TAAAAATTC ATCTTGAGAA ATAGCCACAA TGAAAGTAAT180
TTACACAATA TAAAACAATG ACAGNTCTAC AGATGCAGTT GCTCATGAGT TTACACATGC240
ATACACAA 248

Name: 242 Len: 288 Check: D09
GTTTCCAAAA TTCACTGTAC ATGATCAGTT TGGTGTCTT GTACCACAGT TTTTAACTGA 60
AGGAACCACT TGTAACAGTC TCAATTTTAA CTAAACTTG AAGAACTAAA ACAACAATGC120
AAACCTTTCA GCATTGTTTG GCCAAACTTG TTAAACTGT AATGCAAGAA CCAAAATGCAC180
TGTGATGTGG CACCAACTAA TTAGCAAGCA TGAHTTTYTC ACCCAAGAGT GAAAAARGGA240
AAATCTACCA TGGCTTGAAG TTAAAGRGCA GAMCTCCTGA CTACCATT 288

Name: 243 Len: 423 Check: 1FE0
AAAGAGTTAA GGAAGGCAGG TTGTNCTTCT ATTCAGGNCA CTCTTCGTTT TNCATGTACT 60
GCATGCTGTT TGTGGCACTT TATCTTCAAG CCAGGATGAA GGGAGACTGG GCAAGACTCT120
TACGNCCAC ACTGCAATTT GGTCTTGTG CCGTATCCAT TTATGTGGGC CTTTCTCGAG180

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TTTCTGATTA TAAACACCAC TGGAGCGATG TGTGACTGG ACTCATTGAG GGAGCTCTGG240
 TTGCAATATT AGTTGCTGTA TATGTATCGG ATTTCTTCAA AGAAAGAACT TCTTTTAAAG300
 ANAGAAAAGA GGAGGACTCT CATACAACTC TGGCATGGAA ACACCAACAA CTGGGGAATC360
 ACTNTGCCGA GCCAATCACC AGCCTTGAAA GGCAGCCAGG GTGCCNAGGT GAAGCTGGCC420
 TGT 423

Name: 244 Len: 460 Check: 1420
 CCAACAGTAT CTCCTGCATC AAACGCCTCT CTGGGCTCCT CAAAGTCCTT GATATCATGC 60
 CCTTGACCCT GCATGCCTGT ATGCACCAGA AGCAGAGGCT CAGAAACCTG GAGCAGTTTG120
 CCCGTCTGGA AGACTGTGTT CTCTTGCAA CAGATGTGGC AGCTCGGGGT CTGGATATTC180
 CTAAAGTCCA GCATGTCATC CATTACCAGG TCCCACGTAC CTCGGAGATT TATGTCCACC240
 GAAGTGGTCG AACTGCTCGA GCTAGCAATG AAGGCCTCAG TCTGATGCTC ATTGGGCTTG300
 AGGATGTGAT CAACTTTAAG AAGATTTACA AAACGCTCAA GAAAGATGAG GATATCCAC360
 TGTTCCTCCGT GCAGACAAA TACATGGGAT GTGGTTCAAG GAGCGAATCC GTTTTAGCTC420
 GACAGATTTG AGGAATCTGA GTATTGCGAA CTTTCCNGGT 460

Name: 245 Len: 2533 Check: B49
 CCAAGCCCAT GAGGGCCGCG CGCCCGGCCG CCGGTGCTGA CGAGACGGAG CTCCTGGCCC 60
 CCGAGGAGGA GCAGAGGATC AATGCGGTTT AAGAATCGAT TCCAGCGGTT CATGAACCAT 120
 CGAGCTCCAG CCAATGGCGG CTACAAGCCA ACTTGCTATG AACATGCTGC TAACTGTTAC 180
 ACACACGCAT TCCTCATTTG TCCGGCCATC GTGGGCGAGT CCCTCCTCCA TCGGCTGTCT 240
 GATGACTGCT GGGAAAAGAT AACAGCATGG ATTTATGGAA TGGGACTCTG TGCCCTCTTC 300
 ATCGCTTCTA CAGTATTTCA CATTGTATCA TGGAAAAGA GCCACTTAAG GACAGCGGAG 360
 CATTGTTTTT ACATGTGTGA TAGAATGGTT ATCTATTTCT TCATTGCTGC TTCTTATGCT 420
 CCTAGGTTAA ATCTTCGTGA ACTTGGACCC CTGGCATCTC ATATGCGTTG GTTTATCTGG 480
 CTCATGGCAG CTGGAGGAAC CATTATATGA TTTCTCTACC ATGAAAAATA TAAGGTGGTT 540
 GAACTCTTTT TCTATCTCAC AATGGGATTC TCTCCAGCCT TGGTGGTGAC ATCAATGAAC 600
 AACACCGATG GACTTCAGGA ACTTGCCTGT GGGGGCTTAA TTTATTGCTT GGGAGTTGTG 660
 TTCTTCAAGA GTGATGGCAT CATTCCATTT GCCCAGCCA TCTGGCACCT GTTTGTGGCC 720
 ACGGCAGCTG CAGTGCATTA CTACGCCATT TGGAAATACC TTTACCGAAG TCCTACGGAC 780
 TTTATGCGGC ATTTATGACC AATCTGTACT AATTCTCCAA ACCAGTATTA TTTCAATTAT 840
 GGCACCTGGG AGTGGGGTGA GAGCTAAACA TTGCACAGGG CAAAGAAAAA AAATAACTGC 900
 ACTGACTTTA TATCTTTTGA ATATAATTGA TGTGAAAGTA TAAAGGCTGT GTTCTGGAAT 960
 TTTCTGCCTC ACAGCAAATA AATAAGGTAG TGAATTAATT ATTCATTCCA TTCCACTATC1020
 ATGAAGGACT CTGAATAGAC TTGGCCAACT GATGTTTACA AACCAAGACT TTATATTTTA1080
 ATTTTACAGA TTTTACTACA TGATTTTCTT AAATTACTAT GTCAGGTTGT AAAAGTCAGT1140
 GCAATAACAA ACCTTCCTTT TTAAGAAGAA AATTGTTTCT ATTACTTTCC CATTCACTAG1200
 GTAAAGAATC ATGGACAGAA CTTACACTAC TTTTACCAT GTTTCATCTT GGCATAACAT1260
 GGTTCTTTTT TAAATAGAAA CTTTAGTTTT TTGTAAATTT TTAATAAAAT ATTTTATTGA1320
 TATGCATCTC TGCAGGTCCT CATTGATGTT GTAAATTTTT GGAGCAAGCA GTCAACATTC1380
 CACAAACGAA CAAACATTAT ACCTCTCTCT ATAGTTTTAT TAAGCATGGA GAAATTGCCA1440
 ATTTTAAAAA ACTGCAGTTT TCCAAACTTT TCTGCCAACC TCTTACTCTG AATTCACTGC1500
 TGCTTTGGGA CATATACTTG ACCTAGCTTG GTTTACCAGT GATGGAAAAG TATTTTGATA1560
 TCATTAACCT TTTCAAAAGA TCCAACTTTT TCTCTATGCC TTTGCCACAT TCTCTCAGG1620
 GTCTCTTTCC ACAGCGGATA AATGTTTTTT CTGTATTATG ACAGTATTGT TGTGATGGCC1680
 ATCTGCTGGA AACTCCTGAA GAGCATTATG TATTACAGTG AGCAGTTGTA TTGCCTGTTT1740
 GGTGCCCAAT GGTAAAGTCA TTGTCACCTA GCTTTATATT GTCAGTTTGA TATTTATTTT1800
 AAATTGTGGA ACTAGATGCA TAAATTCACA TTTCTGCCTT TCCTTTGTCAT CTCTCATAT1860
 ATTGTGTTTT TTTTTTTTTT CCTAGAAAAA ATATTTAAAG CATTGTTTGA CAGGTAGAAA1920
 CTCATGTATC TGTAAGTCCAT GAGTTATATC CTGGCTCAGT GGAGTGATAT TTATGTATTA1980
 TTTTTACTTT TCTCTCAGTG TCTTATATTA AGATTAACAT GTTGTTAATA GTTGCTTTGT2040
 TGATTAATCT CTCTTGTTGG TGTTTTAAATA AATGAAATAG GCTTGCCTTT AGATCGGGT2100
 CTGATATTGC CTGTTTCCTA GTAATGGGCT GATCAAATGA TCAGTGGAAT TCTTGGTTGT2160
 ATGATAACCT TATTAATTGA AATTTTTTAC TGATGTGGCT TTAAGAGAGG TTTATTTTGT2220
 ATATGTTTAG AACTCTCTGA TTTTGATGAA TTATATGGGA GTGAGAAACA GAAGAAGTGG2280
 TATTTGCTGG CGAGTTAAAT AGGCAAGGTA CCCAGTGATA ACACCAACCA AACCCTCCT2340
 ATCTGCATGA TTCTGAACAT CTGGATGCCT GTTGTTTTAC TGTGTATATT TTATTTTAA2400
 TATATTAATG TTGTGGATTC ATTTAAGGTC TACTCAAAAG TAACACTGTC CAAACCACTA2460
 ATATGTATGT AAAAATTGTG CTGTATACTA CAATAAAGTT GTTACTTGGA TTTGTTCCTA2520
 AAAAAAAAAA AAA 2533

Name: 246 Len: 6072 Check: 1F2E
 GGTGGTGGC GGGGAGGCC CCGCGCTTTA AAATAATGCC CGCGGCGCCC GCGCGACCAT 60
 GCAATGGCGA GCGCTCGTCC TGGGGCTGGT GCTCCTCCGG CTGGGCTTCC ATGGAGTATT 120
 GTGGCTCGTC TTCGGGCTGG GGGCCAGCAT GGGCTTCTAC CAGCGCTTTC CGCTCAGCTT 180
 CGGCTTCCAG CGTCTGAGGA GCGCCGACGG CCGCGCTGCG CCCACCTCGG GCGCCGTGGG 240

Material	Grain size, mm	Temperature, °C	Strain rate, sec ⁻¹	$\sigma_{0.02}$, MPa	$\sigma_{0.2}$, MPa	$\sigma_{0.01}$, MPa	$\sigma_{0.001}$, MPa	$\sigma_{0.0001}$, MPa	$\sigma_{0.00001}$, MPa	$\sigma_{0.000001}$, MPa	$\sigma_{0.0000001}$, MPa
Al	0.001	100	0.001	10	15	10	10	10	10	10	10
Al	0.001	100	0.01	10	15	10	10	10	10	10	10
Al	0.001	100	0.1	10	15	10	10	10	10	10	10
Al	0.001	100	1	10	15	10	10	10	10	10	10
Al	0.001	100	10	10	15	10	10	10	10	10	10
Al	0.001	100	100	10	15	10	10	10	10	10	10
Al	0.001	100	1000	10	15	10	10	10	10	10	10
Al	0.001	100	10000	10	15	10	10	10	10	10	10
Al	0.001	100	100000	10	15	10	10	10	10	10	10
Al	0.001	100	1000000	10	15	10	10	10	10	10	10
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Al	0.001	100	100000000	10	15	10	10	10	10	10	10
Al	0.001	100	1000000000	10	15	10	10	10	10	10	10
Al	0.001	100	10000000000	10	15	10	10	10	10	10	10
Al	0.001	100	100000000000	10	15	10	10	10	10	10	10
Al	0.001	100	1000000000000	10	15	10	10	10	10	10	10
Al	0.001	100	10000000000000	10	15	10	10	10	10	10	10
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Al	0.001	100	1000000000000000	10	15	10	10	10	10	10	10
Al	0.001	100	10000000000000000	10	15	10	10	10	10	10	10
Al	0.001	100	100000000000000000	10	15	10	10	10	10	10	10
Al	0.001	100	1000000000000000000	10	15	10	10	10	10	10	10
Al	0.001	100	10000000000000000000	10	15	10	10	10	10	10	10
Al	0.001	100	100000000000000000000	10	15	10	10	10	10	10	10
Al	0.001	100	1000000000000000000000	10	15	10	10	10	10	10	10
Al	0.001	100	10000000000000000000000	10	15	10	10	10	10	10	10
Al	0.001	100	100000000000000000000000	10	15	10	10	10	10	10	10
Al	0.001	100	1000000000000000000000000	10	15	10	10	10	10	10	10
Al	0.001	100	10000000000000000000000000	10	15	10	10	10	10	10	10
Al	0.001	100	100000000000000000000000000	10	15	10	10	10	10	10	10
Al	0.001	100	1000000000000000000000000000	10	15	10	10	10	10	10	10
Al	0.001	100	10000000000000000000000000000	10	15	10	10	10	10	10	10
Al	0.001	100	100000000000000000000000000000	10	15						

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GAGCCCGCGC	AAGGCTCCG	GGCGTCTGG	GCCGGGGATG	TGCGGCCAG	CCAAGTGGG	360
CTACGTGCTG	GGCGGCCGG	GCCGCGGCC	GGACGAGTAC	GAGAAGCGCT	ACAGCGGCGC	420
CTTCCCTCCG	CAGCTGCGTG	CCCAGATGCG	CGACCTGGCA	CGGGGCAATG	TGCTCTTTGG	480
CTACGACAAC	TACATGGCTC	ACGCCTTCCC	CCAGGACGAG	CTCAACCCCA	TCCACTGCCG	540
CGGCCGTGGG	CCCCACCGCG	GGGACCCTTC	AAATCTGAAC	ATCAATGATG	TACTAGGGAA	600
CTACTCATTG	ACTCTTGTTG	ATGCATTGGA	TACACTTGCA	ATAATGGGAA	ATTCACTCCA	660
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Name: 247

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TOP SECRET

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TOP SECRET

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Name: 248

Len: 5298

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146

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152

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Name: 257

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153

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Name: 259

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GCTCGTGCAC	AGGCACGCAG	ATGCGCTCAC	ACGTACACAC	ACACAAATGC	ACGCCCCACTT6060
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CTCCCATGTG	CTGCGCTCTG	ATGTGCTCAG	ATGGGCTCAT	CGTTGGTTCC	TTTTTACTGT6420
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Name: 262 Len: 4611 Check: 6F0

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GCCCCACCGT	TCAATGCTGC	GGGGCATCAC	CAAAATGAGG	CTCCAGCAGG	AGGAAATGGT	780
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Name: 263

Len: 3074

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F6A

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3074

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Name: 269

Len: 1605 Check: 1799

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Name: 27

Len: 421 Check: F84

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421

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Name: 270 Len: 2488 Check: 1BC6

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Name: 271 Len: 1769 Check: 15BD

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Name: 272

Len: 5541

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Name: 273

Len: 5047

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251C

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Len: 1231 Check: 1BCE

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Name: 275

Len: 8368 Check: 1FA2

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GTTAAAAGCT	CTTATTCTTA	TGATGCCCCC	TCCGATTTC	TCAATTTTTC	ATCCTTGGAT	540
GATGAAGGAG	ATACTCAAAA	CATAGATTCA	TGCTTTGAGG	AGAAGGCCAA	TTTGGAGAAT	600
AAGTTACTGG	GGAAGAATGG	AACTGGAGGG	CTTTTTCAGG	GCAAAACTCC	TTTGAGAAAG	660
GCTAATCTTC	AGCAAGCTAT	TGTCACACCT	TTGAAACCAG	TTGACAACAC	TTACTACAAA	720
GAGGCAGAAA	AAGAAAATCT	TGTGGAACAA	TCCATTCCGT	CAAATGCTTG	TTCTTCCCTG	780
GAAGTTGAGG	CAGCCATATC	AAGAAAAACT	CCAGCCCAGC	CTCAGAGAAG	ATCTCTTAGG	840
CTTTCTGCTC	AGAAGGATTT	GGAACAGAAA	GAAAAGCATC	ATGTAAAAAT	GAAAGCCAAG	900
AGATGTGCCA	CTCCTGTAAT	CATCGATGAA	ATTCTACCTT	CTAAGAAAAT	GAAAGTTTCT	960
AACAACAAAA	AGAAGCCAGA	GGAAGAAGGC	AGTGCTCATC	AAGATACTGC	TGAAAACAAT	1020
GCATCTTCCC	CAGAGAAAGC	CAAGGGTAGA	CATACTGTGC	CTTGTATGCC	ACCTGCAAAG	1080
CAGAAGTTTC	TAAAAAGTAC	TGAGGAGCAA	GAGCTGGAGA	AGAGTATGAA	AATGCAGCAA	1140
GAGGTGGTGG	AGATGCGGAA	AAAGAATGAA	GAATTCAGAA	AACTTGCTCT	GGCTGGAATA	1200
GGGCAACCTG	TGAAGAAATC	AGTGAGCCAG	GTCACCAAA	CAGTTGACTT	CCACTTCCGC	1260
ACAGATGAGC	GAATCAAACA	ACATCCTAAG	AACCAAGGAG	AATATAAGGA	AGTGAACTTT	1320
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GCACGTGAAC	TTGATCCCAG	AATACTTGAA	GGTGGGCCCC	TCTTGCCCCA	GAAACCACCT	1740
GTGAAACCC	CCACCGAGCC	TATTGGCTTT	GATTTGGAAA	TTGAGAAAAG	AATCCAGGAG	1800
CGAGAATCAA	AGAAGAAAAC	AGAGGATGAA	CACCTTGAAT	TTTATTCCAG	ACCTTGCCCT	1860
ACTAAGATTT	TGGAAGATGT	TGTGGGTGTT	CCTGAAAAGA	AGGTACTTCC	AATCACCCTC	1920
CCCAAGTCAC	CAGCCTTTGC	ATTGAAGAAC	AGAATTGCGA	TGCCCCACCA	AGAAGATGAG	1980
GAAGAGGACG	AACCGGTAGT	GATAAAAGCT	CAACCTGTGC	CACATTATGG	GGTGCCTTTT	2040
AAGCCCCAAA	TCCCAGAGGC	AAGAACTGTG	GAAATATGCC	CTTTCTCGTT	TGATTCTCGA	2100
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ACTGAGAAGA	GAGCCAAAGA	GCGGCAGGAG	CTGGAGAAGA	GAATGGCTGA	GGTAGAAGCC	2520
CAGAAAGCCC	AGCAGTTGGA	GGAGGCCAGA	CTACAGGAGG	AAGAGCAGAA	AAAAGAGGAG	2580
CTGGCCAGGC	TACGGAGAGA	ACTGGTGCA	AAGGCAAATC	CAATACGCAA	GTACCAGGGT	2640
CTGGAGATAA	AGTCAAGTGA	CCAGCCTCTG	ACTGTGCCTG	TATCTCCCAA	ATTCTCCACT	2700
CGATTCCACT	GCTAAACTCA	GCTGTGAGCT	GCGGATACCG	CCCGGCAATG	GGACCTGCTC	2760
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TTGAGAATTG	TTTTCTTACA	TTACTAAGGC	TAATAATGAG	ATGTAACTCA	TGAATGTCTC	2940
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TACGACTCTC	ACCCTCTCCC	CACCTTTTTT	AAAAATTTTA	ACCAGAAAAT	AAAGATAGTT	3120
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Name: 28

Len: 426 Check: 122C

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TTACTGTGGG	CATATCTACA	CACCAATATC	CTGTAAAATA	CGTGAAGTGC	TCCAGTTAT	300

179

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Name: 280

Len: 6428 Check: 1EC4

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180

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Name: 281

Len: 1266 Check: 1DDC

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181

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1266

Name: 282

Len: 3962

Check:

E05

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CGGCAGTGTG	ATCACAGCCA	GCCGCGTGT	CGTGGCAGTG	ACGCTGTATG	GGGCTGTGCG	1200
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Name: 288

Len: 4337

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187

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4337

Name: 289

Len: 1090 Check: C2

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188

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-189

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Name: 291 Len: 3800 Check: 2389

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150

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 TTTATGTAAT TTTACTGGCAT ATGTTTTGTA GACTGTTTAA TGAAGTGGATA TCTTCTTCA3720
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Name: 292 Len: 1731 Check: 2078
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Name: 293 Len: 3416 Check: 2559
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-191

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Name: 294

Len: 1927

Check: 12B5

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182

1927

AAAAAAA

Name: 295

Len: 1453 Check:

4EC

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Name: 296

Len: 3120 Check:

678

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193

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Name: 297

Len: 1759

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127B

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Name: 298

Len: 2374

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1C94

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206

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Name: 311

Len: 3334 Check:

1CA

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207

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Name: 312

Len: 1701

Check: 1755

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Name: 313

Len: 5956

Check: 1318

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208

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209

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5956

Name: 314

Len: 4073

Check:

1DED

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210

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CTTTGGACTG ATTGATATAA TTGTGTTTTT TCACTTTTTT TATTAAGATC CCCGTCGAGG5040
TCAAGATCAA GATCCAGGTC TATTTACGTA CCAAGAAGCA GGTAGGGTAA AAATTTGATT5100
ATCCTTTTCT AGTTATATGG CACCAATATC CAAAGAGTTC AAAGTGTTTT TAATTGTTGA5160
AATTTTAAAG GTTAACTCTA AACTTAGGTT TTAGTGGGAA CACAGTACCT TATTTGTGTA5220
TGTCTTATTT ATTACTGGCT GACTTTCCCT GAACAAGGGA ATGTAAACT ATAGTGAGAA5280
AGAAGCTTAT GACTTGGGGG ATTATATTAA AGAGGCCCTT GTTAGAACTG ATAGGTGCAT5340
GGAGAAGCAT CCTGAAATCG ATGTGCTTAA AGCAGAATGT AAAAGATTAA TCATGATGTA5400
GTAATTGAGT CATTTTTTGA AAAACAGTTG TTGAAAGATT GGCTTTTGT AGCAACAAC5460
GGTAGGATGT TTTTCAGTTT AAGTGCAGTC TGACATTTTA AGCTTAGGAC ATTTGGGGGT5520
TTTACGGTAT TGGTGACTAC AAGAAAGGGA TTGGTTAGTA CTCTTTCTTT AATAGAATTT5580
CTCATGTTTT GACAGCCGAT CAAAGTCCAG ATCTCCATCT CCAAAAAGAA GGTAAGCTAA5640
ATGTTTTGTT GCCAAATCTT GCCTGTCAAG TGTGGCCTCT GCAGAAATTG TTTGCTTACT5700
GCTTTGCACT CTTTGAGCTC TTTGGAGAAT TGGTGCTATA TAGATTAAAA TACTATGCTA5760
AGTTTCTGAA ATACTTTTTT TTTTTGATTC AGTAACATTA GTTTATACTT TTGCTGGAAA5820
TACTTAGTCA TAAAATGTTA GGGTGATTAT TAAGATGTGA TTGGTCCTGT GAGTACTTGG5880
TAGAAATTTT GGTAAGATAG ATGCCTTTTC CCCACATGTA CAATAGATAC AAAGTGTGGA5940
GAAAAGTCTT GGAAATAGTT ACCTGCCTAG TGCTTCTTTA TGACCAGAAA ACTTCRAATA6000
GTTGTCATAT TTATCTAGTG CTTCTTAATG ACCAGAAGAC TTCAAATAGT TGTCAATTT6060
AACTGCAGGT TGACCTTGCA ATTTTGACAA GGAGGATAGC CTAATTTTTT TTTTTTCTG6120
GGATGGAGTT TTCGCTCTGT CCCCAGGCTT GGAGTGCAGT GGCTCAATCT TGGCTCACTG6180

2-14

CAGCCTCCGA TTCCCGGGTT CAAGCAATTA TCCTGTCTCA GCCTCTTGAG CAGTTGGGAT6240
TACAGGCACC CACCGCCAAG CCTGGCTAAT TTTTGTATT TCTAGTAGAG ACGGAGTTTC6300
ACCATGTTGG CGAGGTTGGT CTTAACTCC TGATCTTAGG TGATCACCTG CCTCGGCCTC6360
TCCCAAAGTG CTGGGGTTAC AGGCGTGAGC CACCGTGCCT GGGCAGGGTA GCCTAATCTT6420
AAGCCAGGGA CAAAAGATGA ATATATGTAA GTTTCATGTC ATTTTGTAGG CTTTGCTATA6480
GGAAATTAGT ACCTTAGGCC ACCTTTGAAG TTATTGAAAG TTAGTACATG TACATGAGAG6540
TTTCAATTGA CACTAATTGG ATCCAAACCT AATGTTTTTC TTTTGTAGTCG TTCCCCATCA6600
GGAAGTCCTC GCAGAAGTGC AAGTCCTGAA AGAATGGACT GAAGCTCTCA AGTTCACCCT6660
TTAGGGAAAA GTTATTTTGT TTACATTATT ATAAGGGATT TGTGATGTCT GTAAAGTGTA6720
ACCTAGGAAA GATAATTCAA CCATCTAATC AAAATGGATC TGGATTACTA TGTAATTTCA6780
CAGCAGTAAG GATAATATAA ATTTTGTGTA ATGTATGAAC ATCATATGGT CTGAAAATGT6940
GGGTTTTTAT TTGGCACATT TAAATAACAT GTTCTAACT AGATTTTGTGA TTTGTGTTCA6900
ATATTAACAC TTCTTAATTT GATATATTG AGAGTCAGAC ATTATAATTG TTAATCCTTA6960
TTCATACATA CCTACATTCA GAATTGAAAG GTGTTGGTTA AGTCTTGAAC ATCACTATTTC7020
TATGCATAAA ACTTGGCCAG GATCTTAAGG GACTTTGAAA ATTCCATCTT ACCCTTGTA7080
CTCTGGGTAA GATGACCTGA GTCCCTTATG ATACAGCCTG AATGCATCAT GACAGATCCT7140
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AGTAGGACCA CTGATGTGTC TAAATGAGCA TGACAGGAAC TAAACGAAAC TGATTAAATG7260
TATGAGAAAT AGAACTGAT TTCTGGATGA TCTTTTACT AATTGCAGCT TTCAGGCTAC7320
TAGGTGGCAT AGTGTAAATT AGGACTCCCC AAGATATGGG GAGTTCTACT CTCATGGTC7380
TTGTTTCTTT GCTTTCTACA TTAGTTAACC AGTTTTATAC CAAAAAATGC ATGTTTGAGG7440
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CCAGATACTC TTTCTCTATT CAAATGGATT GTCTTATTCT GAGCAAAGAC CTGTTGTAA7560
TCTTCAAGCT AGGTTTTGCA GTTCCCAACC ACAACATTCT TCTATTTTGC CAGGCTGGTG7620
CAAAGTAATT AAAGATGTCA ATCAGAAATG TCAATGAGAC TAAAGTGGTT TTGTAAATCT7680
CAGCTATATT TAGCAACACT CCATGTAGCT AATATTTTTT GGTAGCATCT GGTAGACCTT7740
AGAATGTTAC ATAGCCAGTA GGTCTTTTAT TCAAATTTTA AGTATCTTAA GAATAGTAGG7800
GCAGTAACAG TTACTTTTGA GAGTTTCTG GTCAAGCTTT TACCAGGCAT TCTCTAGCCT7860
TGGTACAAAA AAAAAAAAAA CCTGCTGGTT GCGCAGATAC CTAGGCTTGT CCATTTTATG7920
CATTTCAGCA AAGTCATTGG AGACTATTGC AACTTGGGAA TACTGGTCTG CATCAAGTTT7980
AATTCCGGTAG TTTGACCGCT AGTATGTTGG AAGTTATTTG GATTGTTTTT GGAATTTTGA8040
CTGGCTGAAT TATGTTGGT ATAAAGTTAT GTGTATAACT GGCAGGCTTA TTTATCTGTT8100
GCACTTGGTT AGCTTTAATT GTTCTGTATT ATTTAAAGAT AAGTTTACTC AACAAATAAT8160
CTGCAGAGAT TGAACAAATA ATCCTGATAC TTAATTTTTG GAAGTGGGAG CTC 8213

Name: 317

Len: 572

Check:

4C

CGCCGCAATTG TGGTCCGCTT CTCTGCACTA TGTCCGGTGG CCTCCTGAAG GCGCTGCGCA 60
GCGACTCCTA CGTGGAGCTG AGCCAGTACC GGGACCAGCA CTTCCGGGGT GACAATGAAG120
AACAAGAAAA ATTACTGAAG AAAAGCTGTA CGTTATATGT TGGAAATCTT TCTTTTACAL80
CAACTGAAGA ACAAATCTAT GAACTCTTCA GCAAAAGTGG TGACATAAAG AAAATCATT240
TGGGTCTGGA TAAATGAAG AAAACAGCAT GTGGATTCTG TTTTGTGGAA TATTACTCAC300
GCGCAGATGC GGAAAACGCC ATGCGGTACA TAAATGGGAC GCGTCTGGAT GACCGAATCA360
TTCGCACAGA CTGGGACGCA GGCTTTAAGG AGGGCAGGCA ATACGGCCGT GGGCGATCTG420
GGGGCCAGGT TCGGGATGAG TATCGGCAGG ACTACGATGC TGGGAGAGGA GGCTATGGAA480
AACTGGCACA GAACAGTGA GTGGTGAGAG CTCTGTCAGT GACAAACACT CCTTTGGCCT540
GTTGAATTTG CTGAAGAACA TCACCTAAAG TC 572

Name: 318

Len: 338

Check:

14BF

CAATGCTTGA AGTATAAAAA GCTGAGAGTG TTCTCGGGCA GGGAGTCTCC AGAACCAGGA 60
GAAGAAGAAT TTGGACGCTG GATGTTTCAT ACTACTCAGA TGATAAAGGC GTGGCAGGTG120
CAGATGTAGA GAAGAGAAGG CGATTGCTAG AGAGCCTTCG AGGCCAGCA CTTGATGTTA180
TTCCGTGTCC TCAAGATAAA CAATCCTTTA ATTACTGTCC GATGAATGTC TGCAGGCTCT240
TGAGGAGGTA TTTGGGGTTA CAGATAATCC TAGGGAGTTG CAGGTCAAAT ATCTAACCAC300
NTTACCAGAA GGATGAGGAA AAGTTGTCGG CNTATGTC 338

Name: 319

Len: 451

Check:

A27

TNTTTTGTAC TTTAAATGAT AAACCTTTTAT TCTGAATATA CTGTTTTTGC ACAAGATTTA 60
ACACAACATT TTCTGGGATT ATAAATATTT TATAACAGTA TTATACAAAT TTTTACAAAA120
TGTTTTTATC AGGCTAGGTA ATTTTCACAA AAGTGTCAG AGAACAAAAT AAAGGGGAGA180
AAAGATCTAT TGTTCACAA AGCCAGTTGG CTTTTTGCAT GAATGCACAC CATTTTAATA240
AAAGTATTCC TAAAGCATG ATCCGACACT CATACAACAC AACAAAAAG ACAGCTTTAC300
TAGGTACAT TATAAACTCA ACTGGCATCT ACACAAGACA GTATCCCAT AGTTTCAGTG360
GAATTTGAGA TAACTTGTGT GAACTAGAAA TAAGGTAGAT GAAGAGTTGT CCAATTCTTC420
NAAAATCTGG AATTTTTTTT CACACTCCAA N 451

Name: 32

Len: 623

Check:

213F

GGCAGTAGCA GAACACCTGC TCTCATGAAC TTCATGATGA CAGGCTCTTG GGTGACAATT 60

2-15

GGTSCGACCT TTGCAGCCAT GATTGGAGCT GGAATGCTTG TACACTCAAT ATCATATCAG120
CAGANCCAGG CCCAAAGCAT CTGGCTTGGA TGCTGCATTC TGGTGTGATG GGTGCAGTTG180
TGGCTCCTCT CAGCATCTTA GGGGGGCTC TTCTCCTGAG AGCCGCATGG TACACCGCTG240
GTATTGTGGG AGGCCTCTCT ACTGTGGCCA TGTGTGCGCC TAGTGAGAAG TTTCTCGAAC300
ATGGGAGCAC CCCTGGGAGT GGGCCTGGGT CTTGTCTTTT GCGTCTTCTC TGGGGTCTAT360
GTTTCTTCCC CCTACCTCTG TGGGCTGGTG CACTCTGTAC TCAGTGGCAA TGTATGGTGG420
ATTAGTTCTT TTCAGCATGT TCCTTCTGTA TGATACTCAG AAAGTAATCA AACGTGCAGA480
AATAACACCC ATGTATGGAG CTCCAAAGTA TGATCCCATC AATTTGATG TTGANATCTA540
CATNGATACA ATTAATATAT TTATGCGAGT TGCANTAATG CTAGCAACTT GAAGCAACAG600
AAAGAATGAA GTACCGCTTT TTA 623

Name: 320 Len: 359 Check: 19B0
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ATCAATGATG ACCTGTCTTA CCAGATGGAC TGCCACGCCG TGNAGTGCGA GAGCAAGCTC120
GAGGCCAAGA AACTGGCCCA CGCCATGATG GAGGCCTTCA GGAAGACTTT CCACAGTATG180
AAGAGCGACG GCGGATCCA CAGCAACAGC TCCTCCGAAG AGGTTTCCCA GGAATTGGAA240
TCCGATGATG GCTGAATGAA CTTNAGACG CTTNAGCAAA GGCAGCATTG GTCACGGGGT300
TCAAGGGAAT TAGATTGAGT AAGCAACGTT TCAAAATTGG GATGAAAGAT TTCCAAATT 359

Name: 321 Len: 295 Check: 102E
CCTCACTGCT ATGGGCCGCA ACAAGAAGAA GAAGCGAGAT GGTGACGACC GGCGGCCGAG 60
GCTCGTTCTT AGCTTCGACG AGGAGAAGAG GCGGGAGTAC CTGACAGGCT TCCACAAGCG120
GAAGGTCGAG CGAAAGAAGG CAGCCATTGA GGAGATTAAG CAGCGGCTGA AAGAGGAGCA180
GAGGAAGCTT CGGGAGGAGC GCCACCAGGA ATACTTGAAG ATGCTGGCAG AGAGAGAAGA240
GGCTCTNGAG GAGGCAGATG AGCTGGACCG GTTGGTGACA GCAAAGACCG AGTCG 295

Name: 322 Len: 406 Check: 233D
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GGCTACCTGG AGCACGTGTT CCGGCACGCG GCGGAGAGC TCTTTGGAAT CCATGTGGCT180
GAGGTTACCT ACAAACCCCT GAGGAACAAA GACTTCCAGG AGGTGACACT NGAGAAGGAG240
GGCCAGGTGC TGCTGCACTT CGCAATGGCG TACGGCTTCC GCAACATCCA GAACCTGGT300
CAGAGGCTCA AACGAGGGCG CTGCCCTTAC CACTACGTGN AGGTCATGGC CTGCCCTCA360
GGCTGCCTGA ACGGCGGGGG GCCAGCTCCA GGTCCAGAC AAGGCC 406

Name: 323 Len: 489 Check: 149E
TTTTTTTTTAA CATTCTTAAG TTTCTTTATT CTTCATAGTT TTCTAATGAA CAAATAGTTA 60
GTTTTCTTGA GTAAGATTAT AAAAAAGTTA ACCATTCTTC CAAAAGTATA AAGACAAATA120
AAATGTCGAC TCATAATACA AATTTTTTAC ATAGCATTAA AGGTGCAGAT ATTGACTGCC180
CCTCTTCATT ATGATTGGCC CACCCCTTAA AAAGACTGCA ACAGAGGATT CAATTGTCTA240
AAATACTTCG AAGTACAGAA ATTAATGCT TTAGCCCATTA AACATATCCC TCATCTATTG300
TGTTGCTAGG GAACACATGA GCAAAATCTA TCATTGCGAC TTCTACTTCA GCAATCTCTT360
GGCAACCAGT GGGAAAGATGG TAGAAAACTT TNTCCAGTTG GGAAAGTACA TTCCATTTA420
AATGTTCTCTG TGACATGCTT TTCCACCCAT TGTCTTGCTC CAGATTTTCA ACTTTCAATG480
AAGTCTGAC 489

Name: 324 Len: 491 Check: 21BF
TAAGGATTAA AAACGATTTT AATTATACAC ATATGGTCAC AATTTTGCCT TAAAAAGATT 60
GTTGGGAAAT GTACATAAGG CCGCTTGTA ATGTACATCG TGTTACTGTT ATGTCTTATG120
TCCAGAGGAA AAAATGTTAT CATAAGATT TGCTCTTACT TGGGAGTAGG CTATTCAAAA180
ATACAGTACT CTTCTGTACA AAGAAAAAAG TCACATCACA TTTAATAAGA TGAAAAAAGC240
ATTGGCCCTC ATGGTAACCA AATATCTCAG TCCAATACTT TCTATTATGC ACAATACCCT300
GACTTCAATT GAAAGTGATC CAAATTCTAG CAGGTCCATA TTAACAGTCA ACAACTATGT360
TATAAAACAA AATGATCTCA CAATAATAAA AAGAAAGCTG GTTCATACTT CTGAAACCAT420
ATAAAGATAA AAAATTTTTTA AAAAATCACT CTCGATTGG AGAAATAAAT TTACATTATA480
CAACACTATA T 491

Name: 325 Len: 546 Check: 101E
CGGCACGAGG GACAACGCAG CCTGATAAAC AAGTGGACGA CTTTTCTTAA GGCCAGACTG 60
ATTTGCTCAA TTCCTGGAAG TGATGGGGCA GATACTTACT TTGATGAGCT TCAAGATATT120
TATTTACTCC CCACAAGAGA TGAAAGAAAT CCTGTAGTAT ATGGAGTCTT TACTACAACC180
AGCTCCATCT TCAAAGGCTC TGCTGTTTGT GTGTATAGCA TGGGTGACAT CAGAGCAGTT240
TTTAATGGTC CATATGCTCA TAAGGAAAGT GCAGACCATC GTTGGGTGCA GTATGATGGG300
AGAATTCCCTT ATCCACGGCC TGGTACATGT CCAAGCAAAA CCTATGACCC ACTGATTAAG360
TCCACCCGAG ATTTTCCAGA TGATGTCATC AGTTTCATAA AGCGGCACTC TGTGATGTAT420
AAGTCCGTAT ACCCAGTTGC AGGAGGACCA ACGTTCAAGA GAATCAATGT GGATTACAGA480
CTGACACAGA TAGTGGTGGA TCATGTCATT GCAGAAGATG GCCAGTACGA TGTAAATGTTT540
CTTGA 546

Name: 326 Len: 456 Check: A6C

2-16

GCACGAGTCT ACATCCAGAG GACCAAGAGC ATGTTCCAGA GGACCACGTA CAAGTATGAG 60
 ATGATTAACA AGCAGAATGA GCAGATGCAT GCGCTGCTGG CCATTGCCCT CACGATGTAC120
 CCCATCGCTA TTGATGAGAG CATTACCTC CAGCTGCGGG AGAAATATGG GGACAAGATG180
 TTGCGCATGC AGAAAGGTGA CCCACAAGTC TATGAAGAAC TTTTCAGTTA CTCCTGCCCC240
 AAGTTCCTGT CGCCTGTAGT GCCCAACTAT GATAATGTGC ACCCCAACTA CCACAAAGAG300
 CCTTCTCTGC AGCAGCTGAA GGTGTTTTCT GATGAAGTAC AGCAGCAGGC CCAGCTTTCA360
 ACCATCCGCA GCTTCTTGAA GCTCTACACC ACCATGCCTG TGGCCAAGCT GGCTGGCTTC420
 CTGGACCTCA CAGAGCAGGA GTTCCGGATC CAGCTT 456

Name: 327 Len: 462 Check: 1820
 TTTACAGGTA CACAATTTAA TATTTATTAT ATGCATTTTA TATACATTAT TTTTCAACAG 60
 CTGTATGTTT GCTATGTGGT ACAATCTTAA AAATTTGCTG ATTCATAGTT TGTAAAACAA120
 AAACCTTACA AAACCTCATCA AAACCTCGCA ACTGATCAGA AAAGTTTCTC GGAAGACTAG180
 AAAAAATACT TTATTGTCTT AATCATGCAT TACACAAACA AAATCTTTAG TTACACCATA240
 AAATTAAGCA CATCTAAAAA AATAAAACAG GGATAACTAG TCAAAACACA GCAGATTTCT300
 GTATCCTGAT TCAACTATTT TTGTATCCTA TTGTAAATGC AAATAAAACT TTAATCAAA360
 TATTTTTTAA CAAGTTAGTT TTGTTTGGAA TCATGGTAAA CCAAGATATA TATCTTAGGG420
 GGAACCACTT TGGTTTGTAA TTTAACTAT AAAATACTCC AT 462

Name: 328 Len: 457 Check: D31
 CAATTAAGGG CTTTGGCGGG ATTGGCTCCG CGTTTGGGCT GGTCCGCTGC TCCCCACCTA 60
 CCAGGGTCGG ATCCGGAGCC CTTCCCCGCG GGGCGGGGAC CTCCAAACAA CCGACTCCTT120
 TCCAGCTGAA GAAACACTTA AATTCTGGAA ATAGCGACTC AGTATCATGG CCAGCAGCCT180
 TAATGAAGAT CCAGAAGGAA GCAGAATCAC TTATGTGAAA GGAGACCTTT TTGCATGCCC240
 GAAACAGAC TCTTTAGCCC ACTGTATCAC TGAGGATTGT CGCATGGGCG CTGGGATAGC300
 TGTCCTCTTT AAGAAGAAAT TTGGAGGGGT GCAAGAACTT TTAATCAAC AAAAGAAATC360
 TGGAGAAGTG GCTGTTCTGA AGAGAGATGG GCGATATATA TATTACTTGA TTACAAAGAA420
 AAGGGCTTCG CACAAGCCAA CTTATGAAAA CTTACAG 457

Name: 329 Len: 448 Check: 77C
 TTTTTTTTTT TTTTATGATG CACTCCAAGT GCCATATGTC TATTTTATTC TTCAGGAAAT 60
 TATATTTTTT TTTTACAAGA GCACAACAGG AACCATAAGTA AAAGAGTAAT AGATACAGCA120
 CTCAGGATAA ATCATATCTT TAAATAATA ATAAAAAAT TTACACCTTG TCCTATATCC180
 TGTTAGTATT TTCATAATAT GGCCATGATT GAAAAACAA AAAGCAAGCA TCTACAATTT240
 TTTTGTGATA AGACTTTTTT TGCCAGGAAT GGATTAATTA CCAACAAAAT TTATACTAAT300
 CAGGCTGATG TCAATCTATT TTTGTAATGT ATCATTAACA AATTTATTTT GGAAAAGATA360
 AAAATATTGC CCCTTGATAA TAAATCTTTT TTTCTTTTGA TGCAACACAGC TAGAACACCT420
 TTTTCTTTTT CTTTTTGATA TTCTAAGA 448

Name: 33 Len: 464 Check: 1B37
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 GATGTCTAGA AATTAATTAT GTTAAGTTTA ATTTAATTTG AGGAGGGTGA CGGGCGGTGT120
 GTGCGTACTT CATTGCTCAA TTCAATTAAG CTCTCTATTC TTAATTTACT ACTAAATCCT180
 CCTTAGTCTT TTAGTTTTCAT AAAGGGTATA GTAATGTTCT TTTATAAGAA AATGTAGCCC240
 ATTTCTTCCC ATTTCTATTG CTACACCTTG ACCTAACGTT TTTATGTTTG ATTCTTTTGC300
 TTACTTTAAT ACCTTTTTTAG GGTGTTGCTGA AGATGGCGGT ATATAGGCTG AATTAGCAAG360
 AGATGGTGAG GTAGAGCGGG GTTTATCCGA TTATAGAACA GGCTCCTCTA GATGGATATA420
 AAGTACCGCC AAGTCCNTTG AAGTTTTAAG CNATGGCTAG TAGT 464

Name: 330 Len: 373 Check: A98
 GTTGACATG CCGTCGGCCA TGACTGTGTA TGCTCTGGTG GTGGTGTCTT ACTTCCTCAT 60
 CACCGGAGGA ATAATTTATG ATGTTATTGT TGAACCTCCA AGTGTGCGGT CTATGACTGA120
 TGAACATGGG CATCAGAGGC CAGTAGCTTT CTTGGCCTAC AGAGTAAATG GACAATATAT180
 TATGGAAGGA CTTGCATCCA GCTTCTATT TACAATGGGA GGATTAGGTT TCATAATCCT240
 GGACCGATCG AATGCACCAA ATATCCCAA ACTCAATAGA TTCCTTCTTC GTTTCATTGG300
 ATTCGTCTGT GTCCTATTGA GTTTTTTGAT GGCTAGAGTA TTCATGAGAA TGAACTGCC360
 GGGCTATCTG ATG 373

Name: 331 Len: 306 Check: 2689
 GGCGAAGAGG ACCAGGACTA TGACATCACC CAGCTCCACC GAGGTCTGGA GGCCAGGCCG 60
 GAGGTGGTTC TCCGCAATGA CGTGGCACCA ACCATCATCC CGACACCCAT GTACCGTCCT120
 CGGCCAGCCA ACCCAGATGA AATCGGCAAC TTTATAATTG AGAACCTGAA GGCGGCTAAC180
 ACAGACCCCA CAGCCCCGCC CTACGACACC CTCTTGGTGT TCGACTATGA GGGCAGCGGC240
 TCCGACGCCG CGTCCCTGAG CTCCCTCACC TCCTCCGCCT CCGACCAAGA CCAAGATTAC300
 GATTAT 306

Name: 332 Len: 626 Check: FF
 TCACGTATCG CAAGGGGCTT TTATTGGATT AGTTGCGTGG GGGAAATCAGT TCTTCCCAG 60
 AGCAGCAAGT GCAGGCATTA GTGTACAGAA TCCAGAGGAA GGGCAGGCTG CTTGGGTGAG120
 GCCTACTCGC CTGGAGACAT GTGGAGTTCT CTAGGGGTCT GCAGCCACCT CGGGGAGCTG180

2-17

GGAGATTCCC	TCCAGACAC	TCCTACATAT	AGGAAGGTGA	TGCTTCTATC	TCATTCCGCA240
CGGCTTTTCC	TGCGGTATTC	CTGTAGCGCC	TTCTCCGCCA	CTGTGTCCAT	AAACTTAGGG300
TTATCCTTAG	AGACTTCTTC	TGGTAACACC	ACTGTGATGG	GGTCAGAGTC	AAACAGCTTC360
ACCACCACCT	CAGTGACACG	GGANGGGACC	TCTGAGTCAG	AGGAATGGGT	GGTCACGGTG420
GAGACCCGAA	GGTAAGTACT	TGTCTTCGNC	CTGTGTGAAG	GTTAGCCAAAC	TGGGAAACCC480
AGTTTGAACT	GGTCGTTTAC	CTTGCTCCAG	CAGGGAATGA	GGTGTGTGAGC	ATCTTTTCAGC540
TGGAAAGACT	GCAGCAGTTC	CCTGTANTGC	TCTGTNAGCC	TTTCGGGCACC	TGGAGCGAGT600
CGTTAAGTCC	TGGGCAGGTT	AGCTGG			626

Name: 333	Len: 4898	Check:	FCC	
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ACCGGGTTTG	CGGGACCGCA	GTTCCGGGAAC	ATGTTGGCCT	CGAGCAGCCG GATCCGGGCT 120
GCGTGAGCGC	GGGCGCTGCT	GCTGCCGCTG	CTGCTGGCGG	GGCCTGTGGG CTGCTTGAGC 180
CGCCAGGAGC	TCTTTCCCTT	CGGCCCCGGA	CAGGGGGACC	TGGAGCTGGA GGACGGGGAT 240
GACTTCGTCT	CTCCTGCCCT	GGAGCTGAGT	GGGGCGCTCC	GCTTCTACGA CAGATCCGAC 300
ATCGACGCGAG	TCTACGTAC	CACAAATGGC	ATCATTGCTA	CGAGTGAACC CCGGGCCAAA 360
GAATCCCATC	CCGGGCTCTT	CCCACCAACA	TTCGGTGCAG	TCGCCCCCTT CCTGGCGGAC 420
TTGGACACGA	CCGATGGCCT	GGGGAAGGTT	TATTATCGAG	AAGACTTATC CCCCTCCATC 480
ACTCAGCGAG	CAGCAGAGTG	TGTCCACAGA	GGGTTCCCGG	AGATCTCTTT CCAGCCTAGT 540
AGCGCGGTGG	TTGTCACTTG	GGAAATCCGTG	GCCCCCTACC	AAGGGCCAG CAGGGACCCA 600
GACCAGAAAG	GCAAGAGAAA	CACGTTCCAG	GCTGTTCTAG	CCTCCTCTGA TTCCAGCTCC 660
TATGCCATTT	TCCTTTATCC	TGAGGATGGT	CTGCAGTTCC	ATACGACATT CTCAAAGAA 720
AAAAACAACC	AAGTTCCTGC	CGTGGTTGCA	TTCAGTCAAG	GTTCACTGGG ATTCTTATGG 780
AAGAGCAACG	GAGCTTATTA	CATATTGCT	AATGACAGGG	AATCAATTGA AAATTTGGCC 840
AAGAGTAGTA	ACTCTGGGCA	GCAGGGTGTC	TGGGTGTTTG	AGATTGGGAG TCCAGCCACC 900
ACCAATGGCG	TGGTGCTGTC	AGACGTGATC	CTCGAACTG	AAGATGGGGC AGAGTATGAT 960
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ACGCCCTTCT	CCTACAAGGC	TCTGAGAAGG	GGAGGTGCTG	ACACATACAG TGTGCCCAGC1080
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GCTAACAAAC	GACACCAGTG	CTCGGTGAC	CGAGAGTGCA	GGGACTACGC CACGGGCTGT1320
TGCTGCAGCT	GTGTGCGTGG	CTATACGGGC	AATGGCAGGC	AATGTGTTGC AGAAGGTTCC1380
CCCCAGCGAG	TCAATGGCAA	GGTGAAGGA	AGGATCTTTG	TGGGGAGCAG CCAGGTCCCC1440
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CTGGTCATTA	AGCAGCGGTT	CAGCGGCATC	GATGAGCATG	GGCACCTGAC CATCGACACAT1740
GAGCTGGAGG	GCGCGTGGCC	GCAGATTCCG	TTCCGGCTCCT	CCGTGCACAT TGAGCCCTAC1800
ACGGAGCTGT	ACCACTACTC	CACCTCAGTG	ATCACTTCCT	CCTCCACCCG GGAGTACACG1860
GTGACTGAGC	CCGAGCGAGA	TGGGGCATCT	CCTTCACGCA	TCTACACTTA CCAGTGGCGC1920
CAGACCATCA	CCTTCCAGGA	ATGCGTCCAC	GATGACTCCC	GGCCAGCCCT GCCCAGCACCT1980
CAGCAGCTCT	CGGTGGACAG	CGTGTTCGTC	CTGTACAACC	AGGAGGAGAA GATCTTGC GC2040
TACGCTTTCA	GCAACTCCAT	TGGGCCTGTG	AGGGAAGGCT	CCCCTGATGC TCTTCAGAAT2100
CCCTGCTACA	TCGGCATCTA	TGGGTGTGAC	ACCAACGCGG	CCTGTGCGCC TGGTCCCAGG2160
ACACAGTTCA	CTCGCGAGTG	CTCCATCGGC	TTCCGAGGAG	ACGGGCGAAC CTGCTATGAT2220
ATTGATGAAT	GTTCAGAAAC	ACCCCTCAGTG	TGTGGGAGCC	ACACAATCTG CAATAATCAC2280
CCAGGAACCT	TCCGCTGCGA	GTGTGTGGAG	GGCTACCAGT	TTTCAGATGA GGGAACGTGT2340
GTGGCTGTCTG	TGGACCAGCG	CCCCATCAAC	TACTGTGAAA	CTGGCCTTCA TAACTGCGAC2400
ATACCCAGC	GGGCCCAGTG	TATCTACACA	GGAGGCTCCT	CCTACACCTG TTCCTGCTTG2460
CCAGGCTTTT	CTGGGGATGG	CCAAGCCTGC	CAAGATGTAG	ATGAATGCCA GCCAAGCCGA2520
TGTCACCCTG	ACGCCTTCTG	CTACAACACT	CCAGGCTCTT	TCACGTGCCA GTGCAAACCT2580
GGTTATCAGG	GAGACGGCTT	CCGTTGCGTG	CCCGGAGAGG	TGGAGAAAAC CCGGTGCCAG2640
CACGACCGAG	AACACATTCT	CGGGGCAGCG	GGGGCGACG	ACCCACAGCG ACCCATTCCT2700
CCGGGGCTGT	TCGTTCTCTGA	GTGCGATGCG	CACGGGCACT	ACGCGCCAC CCAGTGCCAC2760
GGCAGACCG	GCTACTGCTG	GTGCGTGGAT	CGCGACGGCC	GCGAGGTGGA GGGCACCAGG2820
ACCAGGCCCG	GGATGACGCC	CCCGTGTCTG	AGTACAGTGG	CTCCCCCGAT TCACCAAGGA2880
CCTGCGGTGC	CTACCGCCGT	GATCCCCTTG	CCTCCTGGGA	CCCATTTACT CTTTGCCAG2940
ACTGGGAAGA	TTGAGCGCCT	GCCCCCTGGAG	GGAAATACCA	TGAGGAAGAC AGAAGCAAAG3000
GCGTTCTTCT	ATGTCCCGGC	TAAAGTCATC	ATTGGACTGG	CCTTTGACTG CGTGGCAAG3060
ATGGTTTACT	GGACGGACAT	CACCTGAGCCT	TCCATTGGGA	GAGCTAGTCT ACATGGTGA3120
GAGCCAACCA	CCATCATTAG	ACAAGATCTT	GGAAATCGAG	AAGGTATCGC TGTGTGATGCA3180
CTTGGCCGCA	ACATCTTCTG	GACAGACTCT	AACCTGGATC	GAATAGAAGT GGCGAAGCTG3240

218

GACGGCACGC AGCGCCGGGT GCTCTTTGAG ACTGACCTGG TGAATCCCAG AGGCATTGTA3300
ACGGATTCCG TGAGAGGGAA CCTTTACTGG ACAGACTGGA ACAGAGATAA CCCCAGATT3360
GAAACTTCC TACATGGACG CACGAACCG AGGATCCTTG TGCAGGATGA CCTGGGCTTG3420
CCCAATGGAC TGCACCTCGA TCGTTTCTCA TCTCAGCTCT GCTGGGTGGA TGCAGGCACC3480
AATCGGGCGG AATGCCTGAA CCCCAGTCAG CCCAGCAGAC GCAAGGCTCT CGAAGGGCTC3540
CAGTATCCTT TTGCTGTGAC GAGCTACGGG AAGAATCTGT ATTTACAGA CTGGAAGATG3600
AATTCOGTGG TTGCTCTCGA TCTTGCAATT TCCAAGGAGA CGGATGCTTT CCAACCCAC3660
AAGCAGACCC GGCTGTATGG CATCACCACG GCCCTGTCTC AGTGTCCGCA AGGCCATAAC3720
TACTGCTCAG TGAACAATGG CGGCTGCACC CACCTATGCT TGGCCACCCC AGGGAGCAGG3780
ACCTGCCGTT GCCCTGACAA CACCTTGGGA GTTGACTGTA TCGAACGGAA ATGAAGACAA3840
GAGTGCCTTA TTTCTTTTCC AAGTATTTCA CAGCAACACT CTACTTGAAG CAACTTGGTC3900
CAGATTGAAA AGTGTCTCTT GGCTGAGTGG CCACTAGGCC CAGACCCAGC CCAGCCTGAG3960
CCCCAACAA AACTTTTCCC TCACTGTTC CCAAAACATG CACCCCTGGAC TTCTCTAATA4020
GAAAAGTCTC CACCCCTACA CAAGGACAGA ACCCTCCACC CCTACCCCCA ACCCTCAGAC4080
AGACTTATAC ACCCCTGAGT GAGGATTACA TGCCCATCCC AGTGTCTTAG GACCTTTTCC4140
CAATACTAGC CCCCAGTGG TGAACAGAAC CTCCCAAATT TGAGTTGCAC CCTTCCCTGT4200
GGCCTTATGA GCTCAGCCTC GCTTTGAGGT ACCCACCCTC CTGTCAGCTC CTTGACCTAT4260
GAGCTGGGGC CTGACTAGGA AAAGTTGGGA GTTAAGGAGG AAATTAGCAT TCCTTAATGT4320
TTTGTTTTGG TGCTCTGAAT TTCTTCTTTA TTATAGTCCT ATAGTTTAC TCCTCAGTTC4380
CTCACCATCA TCATCTTGTC TAAGACCCCT ATTATAATAT TCATGCGCTG CTTTTTCATC4440
AAAACCTACC CTGTCTTAGA GATCTATGGG CATTTGGTGG ATGATAATGA GCAGCCCCCTC4500
CCAGATAGAA TGTCAATATT TGAGCAGTAG GATATTGGCA TTTGTTAGTT AAAGGCTTAA4560
ATCAAAAGAA TGTCCAATGG TAGGAATTC AAGGTGTAGG TCAGATATTT GAGAATAGGG4620
GATTTTTTGG ATGTGCCTTA AATTATACCA AAGATTACTA ATTATTCCTC TTTGCCCAA4680
ATACTTGCA TCAAGGTTCT AGTCTCTGTT GCTGTGCTGG TCTTTAGCCC CACTGCTGGC4740
ACTGATGTCC CTCCTTTTTC ACGGAGACCT ATCTGAGGTA CAGGATGGGG CTGGCACCAG4800
ATGATGTCCC ACCACAGTCC CTCACCTCCG GCCTCCACAT GACAGAACCA ATTTACTCTC4860
AACCATGACC TCACCCCTCC TTGTTTTCTC CCTCCCCG 4898

Name: 334

Len: 429

Check: 74D

TGTTTTCGGAG GCNAGCGGGG CNNGNCNTGT GACAACTGCC NGTAGACCTG GGGCTGCTGA 60
ACCCAGTCCC GATGGCACCA CCGGCCACAC CTACAACCAG TATACACAGA GATACAATCA120
GAGAACAAAC ACTAACGTAA ATTGCCCAT TGAGTGCTTC ATGCCGCTAG ATGTGCAAGC180
TGACAGAGAC GATTCTCGAG AGTAATCTTT CCAGCCCCAC CCGTACAAGT GTNTNNCTAC240
CAAGGTCAAT CCACACCCCA GTGATGTTAG CAGACCCCTC ATCTTTGAGT GGTCCTTTCA300
CCCTTAAGCC TTTTGCTCTG GAGCCATGTT CTCAGCTTCA GACAATTTAC AGCTTCTCCA360
AGCATCGCCC GTGGATTGTT TTGAGACTTC TCTCCTCAAT GGTGACAGTT GGTACCTGT420
TCTGCTTCA 429

Name: 335

Len: 411

Check: 55

CCCACCGACC CATCTGCAAA ATCCCGGAAG AGCCAAGGAG GGGGACACAG GCAGTACCAG 60
TGGCACCAGC AGCCCACCAG CCCCCTGCCG CCCTGTACCT TGTATCTCCC TTTCCCCAGG120
GCCTGTGCTT GAACCTGAGG CACTGCACAC CCCCACACTC ATGACCACAC CCTCCCTAAC180
TCCTTTTACC CCCAGCCTGG TCTTCACCTA CCCCAGCACT CCTGAGCCTT GTGCCTCAGC240
TCATCGCAAG AGTAGCAGCA GCAGCGGAAG ACCCATCCTC TGACCCCTT GGCTCTCCAA300
CCCTCCTCGC TTTGTGAGGC GCCTGAGCCC TACTCCCTGC AGATGCCACC CTTAGCCAAT360
GTCTCCTCCC CTTCCCCCAC CGGTCCAGCT GGCCTGGACA GTATCCAGA A 411

Name: 34

Len: 308

Check: 3A1

CCGCGAGACG TCGGTGAGGT GGGACTGGTG ACTCTCAGAA GCTCCTCGGT GCACTTTTGT 60
CTCGGCAGAC TGGGAGGGAG CAGGCGCTCG CGGAANACCG TCACTTACTG GGTTTGTTC120
CCTGTTTCCA GCAAGTTTTG GTCTTTTGGG CAGAAGCCTG TTGACCAACT GTGGGCCACC180
ACAGTCTTGC ACAGAAAGGT GGCACCCGGA GTGGTTTGTG GCCCTCACTA CCAAGCCAC240
GGGAAGCCCA ATTTCCAGTA GGATTGCCGG TTTTGAATTC TTTTCCCAA AGCNAAATNG300
AGTTTNA 308

Name: 35

Len: 435

Check: 21E

AAAAAGCCAT TAATATTCAA ACAAAGGAAT CACATTTTAA AAACCCTATA CATAAGAAAC 60
AGCCTCCAGG AACATTCAAG CAGCAGTCAG GAGGGAAAAA TGTTTCAATA GCCCAGTTTT120
CTTCAAAGTA TGCCAGAGAA TACAATCCAA TTCACTGCTA CAATTCATAG AATTNGTCAG180
TGTTTTCTTG AGACGCTGAG GTTCACTGTT GGCAGTTTCC AAGTGGCCGC ATGTGCTGCT240
CAGAAAGGCC AGCGNAGACN AGCTGCCCGG AAGAACTTTC ACTGCTGGAA AACTGCTCCG300
CTCCCAAGGA AAGCCCAAGG AAGGCTGGGC CGTGGGCTCA CAACTTCATC CTTTCTCCAG360
GGTCATCCAG CTCCACGTCA CTTGAGGTCA ATGTCGTONT CCACAGGGAA GCTCACCATC420
CTTTGCCATC CCAGG 435

Name: 36

Len: 505

Check: 2510

CCGGCAACGT ACACCTTTTT TATTAAGGGG CTTCTATTGT GTTCTGAAGT TCCATCTCTG 60

219

TGACAACATT AATATACTTT AAATACCTGG GATGTGGTCT GGTACATACA TGGTGGATGC120
TGTGTGTGTA TTATATATAC TACTATATTA TGAACACCTG AGTCATGGAA GTCCTTGCAA180
AGTGTGCCTT AAAATCCTCA ACCTTTTTTAA CTTTCTCAT ACATCGAAGT CAGTATTCTT240
ATGAAGGCCC CCATATTGAA AAAAGTCACC TTGTCTGAG AGGTTGTAGC CATCATCATT300
TTCCAGCGGC TGCCATCTTT TATTCTGGGA ACGTTTTCTG GGTTCACCTGA CATCATTA2360
TTGTACTAAG TTTTCCTCGT TGCTTAAAAG GCTGCTCTGT AGCAACAACGT GTCTCATCCC420
TTCAAAGCTT TTCCAAGCAG TTTAGCTATT TGAAAAGGGG GCTTTCTAAC TTCATCTTTT480
CAAAATAAAC TGCTGGGCAT GCGTT 505

Name: 37 Len: 451 Check: A27
TNTTTTTGAC TTTAAATGAT AAACCTTTTAT TCTGAATATA CTGTTTTTGC ACAAGATTTA 60
ACACAACATT TTCTGGGATT ATAAATATTT TATAACAGTA TTATACAAAT TTTTACAAA120
TGTTTTTATC AGGCTAGGTA ATTTTCACAA AAGTGTCAAG AGAACAAAAT AAAGGGGAGA180
AAAGATCTAT TGTTTCACAA AGCCAGTTGG CCTTTTGCAT GAATGCACAC CATTTTAA240
AAAGTATTCC TAAAAGCATG ATCCGACACT CATACAACAC AACAAAAAAG ACAGCTTTAC300
TAGGTACACAT TATAAACTCA ACTGGCATCT ACACAAGACA GTATCCCATT AGTTTCAGTG360
GAATTTGAGA TAACTTGTGT GAACTAGAAA TAAGGTAGAT GAAGAGTTGT CCAATTCTTC420
NAAAATCTGG AATTTTTTTT CACACTCCAA N 451

Name: 38 Len: 245 Check: CCD
GATTTGCGGT CTTGTACCTT TAAGAGCTAC AGCTAGAGAA ACCTTCACGG GGTGGAGAGA 60
GGATTCTAAG GCTTTTCTAG CGTGACCTTT TTAGTAGTG CTAGTCCCTT TTTTACTTGA120
TCTTAATGGC AAGAAGGCCA CAAAGGTACT TTTCTTTT TAGCTCAGGA AATATGTCAG180
GCTCAAACCA CTTCTCAGGC AGTTTAATGG AACTAGTCC ATTGTTACAT GAAGTGATAG240
ATAGC 245

Name: 39 Len: 403 Check: 185
AATTCAAAGG TAAATACACT GAGTAAAGAG CTACATTCAG AGTTCTCAGA AGTTATGAAT 60
GAAATCTGGG CTAGTGATCA AATCAGAAGT GCCGTCTTA TCTCATCAA GCCAGGCTGC120
TTTATTGCGG GTGCTGATAT CAACATGTTA GCCGCTTGCA AGACCCTTCA AGAAGTAACA180
CAGCTATCAC AAGAAGCACA GAGAATGTT GAGAAACTTG AAAAGTCCAC AAAGCCTATT240
GTGGCTGCCA TCAATGGATC CTGCCTGGGA GGAGGACTTG AGGTTGCCAT TTCATGCCAA300
TACAGAATAG CAACAAAAGA CAGAAAAACA GTATTAGGTA CCCTGAAGTT TTGCTGGGGG360
CCTTACCAGG AGCAGGAGGC ACACAAAGGG CTGCCCAAAA TGG 403

Name: 4 Len: 433 Check: 1372
GACTCCTTCA CGTCAGGCTC AGGTTCCATG GGAGGACGAA GCAGTGGACG CATTGTGGGC 60
TTTAGGGACA GATGAGTTTT CCAGATAGTG TCAGCTTATT TGAAGATTAA TTTTCTTTGT120
TAACTTAAAA TAACTATTTT AACCTTTGAG TGGCTTCTTT TTAAACCAA AACCGTCTTT180
CTTTGCTTTT TTATCAGAGC AGAATCAGGA TCTCTTCTC ATTCAGGGG GGAACCACCC240
CAGGGTCAGC GCTGCGCCTG CTGTGGCCCG CGCGAGCCAC GNCCTCTGGG ATTCTTTTGG300
TACCGTCACT CTTGGCTTGT GCCTTCCACA ACTTCTCGGT TGCAGATCCC TATGGGGGGA360
AGCTTGCTC AANGTTCTCT GGAAGTTGGT CAGAAGCAAG CGCCTGGGTN GGGTGTNTNC420
CTGGGGCCAA TTT 433

Name: 40 Len: 527 Check: 26AF
GGACAATGAC GGCCTCCAGT GTCCTCCTGC AACTTGGACA GAAGATGCCT CTGATTGGTC 60
TGGGGACATG GAAGAGTGAG CCTGGTCAGG TGAAAGCAGC CATTAAACAT GCCCTTAGCG120
CAGGCTACCG CCACATTGAT TGTGCTTCTG TATATGGCAA TGAAACTGAG ATTGGGGAGG180
CCCTGAAGGA GAGTGTGGGG TCAGGCAAGG CAGTCCCTCG AGAGGAGCTG TTTGTGACAT240
CCAAGCTGTG GAATACTAAG CACCACCCTG AGGATGTAGA ACCTGCCCTC CGGAAGACAC300
TGGCTGATCT GCAACTGGAG TATTTGGACC TCTATTGAT GCACTGGCCC TTAATGCCTT360
TGAAGCCGGG GAGACAATCC CCTTTTCCCA AGAAATGCCG AATGGGAACT GTCAGATATG420
ACTCCAACCT ACTATTAAAG AGACCTGGAA GGCTCTTGA AGTACTGGTG GCNAAAGGGG480
CTGGTGAAAG CCCTGGGCNT TGTCCAACCT TCAACAGTCG GCAAGAT 527

Name: 41 Len: 449 Check: 516
CATAATTACG AACAGCACAC TGGGAGAAGC AGAGATTGAG CGTGNGGGNG AGTAATCCTG 60
AGAGAGATGC AGGAAGTTGA AACCAACTTG CAAGAAGTTG TTTTGTGATTA TCTTCATGCG120
ACANCTATCA AAATACTGCA CTTGGACGGA CAATTCTGGG ACCAACTGAA AATATCAAAT180
CTATAAATCG TAAGGACCTA GTGGATTACA TAACCACACA CTACAAGGGA CCAAGAATTG240
TACTGGCTGC CGCCGGAGGT GTTTGCCATA ACGAACTGCT GGAGTTAGCA AAGTTCCATT300
TTGGTGACTC TTTGTGCTCA CACAAAGGGA GCTATACCAG CTCTGCCTCC CTGGCAAGTT360
CACTGGAAGT GAAGATTCGG GGTGAAGGGA TGACCAGGAT GGCNTTGGG GAACCTTGGC420
AATAACTGGT TTGANCCAAT TTGGTTGGG 449

Name: 42 Len: 411 Check: 19A6
TCTTCCTGGC CAATGCGTCT CGGGCGCGCT CAGAGCAGTT CATCAACCTG CGAGAGGTCA 60
GCACCCGCTT CCGCCTGCCA CCCGGGGAGT ATGTGGTGGT GCCCTCCACC TTCGAGCCCA120
ACAAGGAGGG CGACGTTCTG GCTGCGCTTC ATTCTCAGAG AAGAGTGCTG GGACTGTGGA180

220

GCTGGATGAC CAGATCCAGG CCAATCTCCC CGATGAGCAA GTGCTCTCAG AAGAGGAGAT240
TGACGAGAAC TTCAAGGCCC TCTTCAGGCA GCTGGCAGGG GAGGACATGG AGATCAGCGT300
GAAGGAGTTG CGGACAATCC TCAATAGGAT CATCAGCAAA CACAAAGACC TCGCGACCAA360
GGGCTTCAGC TAAGAGTCGT GCCGCAGCAT GGGTGAACCT CATGGATCGT T 411

Name: 43 Len: 455 Check: 1D9D
TTCTCATTAA CAACTCCCAC GGTGGGAAGA CAGTTTATCA CTTAGTCTTA TACTTTTGGG 60
CAGCTCACTT CTGCACAATT GAGATACATT TGAAGAGTAG TCTGTTTGCA ATCTGTCATA120
TTTTAATCCA CAAACAAGGA GAACTCCCTA AATTGAACCT GTCTAAATCC AGCTTTCCCTC180
AACCTCCTTC CTAAGACTTA GACAAATTAG TCATTGAGAG CATCTCCTGA TTAAATGTTTC240
CCTAGAAGCA GAGCCATCAA CAGAGCTGGT GTCACCTGAA CAAGAATGGG AGGTTCCAAA300
GGGAATACTT TCGAGCTTCA TGCAAAGTCT AACTCAGGAG GGAACAGGCC TCCCTCCTGG360
CTGAAGAGAT GCTCCTTATC CTGGACAGCA ATCAGCTGGC TCTCCTTAAG AAATGGGTGG420
GTCAAAGGGC NACATGAGCT CATGAAATGT TCAGT 455

Name: 44 Len: 312 Check: 7C1
CTCACNTGTA GNAGATATGG AGCGGAGAGA CGTTGACTTT GAGCTTATCA AAGTAGAAGG 60
CAAAGTGGGC GGCAGGCTGG AGGACACTAA ACTGATTAAG GGCGTGATTG TGGACAAGGA120
TTTCAGTCAC CCACAGATGC CAAAAAAGT GGAAGATGCG AAGATTGCAA TTCTCACATG180
TCCATTTGAA CCACCCAAAC CAAAAACAAA GCATAAGCTG GATGTGACCT CTGTGGAAGA240
TTATAAAGCC CTTCAGAAAT ACCGAAAAGG AGAAATTTGA AGAGATGATT CAACAAATTA300
AAGAGACTGG TT 312

Name: 45 Len: 600 Check: 1915
TCCGGAGCGC ACCTCGGCAG TCGGCTCCCT CGTTGACCGA ATCACCGACC TCTCTCCCCA 60
GCTGTATTTT CAAAATGTGC CTTTCTAACA AGCTGACGCT GGACAAGCTG GACGTTAAAG120
GGAAGCGGGT CGTTATGAGA GTCGACTTCA ATGTTCTTAT GAAGAACAAC CAGATAACAA180
ACAACCAGAG GATTAAGGCT GCTGTCCCAA GCATCAAATT CTGCTTGGAC AATGGAGCCA240
AGTCGGTAGT CCTTATGAGC CACCTAGGCC GGCCTGATGG TGTGCCCATG CCTGACAAGT300
ACTCCTTAGA GCCAGTTGCT GTAGAACTCA AATCTCTGCT GGGCAAGGAT GTTCTGTTCT360
TGAAGGACTG TGTAGGCCCA GAAGTGGAGA AAGCCTGTGC CAACCCAGCT GCTGGGTCTG420
TCATCCTGCT GGAGAACCTC CGCTTTCATG TGGAGGAAGA AGGGAAGGGA AAAGATGCTT480
CTGGGAACAA GGTAAAGCC GAGCCAGSCA AAATAGAAGC TTTCCGAGCT TCACTTTCCA540
AGCTAGGGGA TGTCTATGTC AATGATGCTT TTGCACTGTC ACAGAGCCAC AGCTCCATGG600

Name: 46 Len: 598 Check: 154B
TTATGCCAAA AATGGAGAAC TACTTAAATA TATTGCGAAA ATCGGTTTAT TCGATGAGAC 60
CTGTACCCGA TTTTACACGG CTGAGATTGT GTCTGCTTTA GAGTACTTGC ACGGCAAGGG120
CATCATTCAN AGGGACCTTA AACCAGGAAA CATTTTGTTA AATGAAGATA TGCACATCCA180
GATCACAGAT TTTGGAACAG CAAAAGTCTT ATCCCCAGAG AGCAAACAAG CCAGGGCCAA240
CTCATTCGTG GGAACAGCGC AGTACGTTTC TCCAGAGCTG CTCACGGAGA AGTCCGCCTG300
TAAGAGTTCA GACCTTTGGG CTCTTGGATG CATAATATAC CAGCTTGTGG CAGGACTCCC360
ACCATTCGGA GCTGGAAACG AGTATCTTAT ATTTTCAAG ATCATTAAGT TGGAAATATGA420
CTTTCCAGAA AAATTCTTCC CTAAGGCAAG AGACCTCGTG GAGAAACTTT TGGTTTTAGA480
TGCCACANAG CGGTTAGGCT GTGAGGAAAT GGNAGGATAC GGACCTCTTA AAGCACNCCC540
GTNCTTCGAG TCCGTCACGT GGGAGANCTG CACCAGCGAC GCCTCCGAAG CTCACCGT 598

Name: 47 Len: 485 Check: 2256
AAATTCAGAA AGGAGTATTT GAGGTGAAAT CCACAAATGG GGATACCTTC TTAGGTGGGG 60
AAGACTTTGA CCAGGCCTTG CTACGGCACA TTGTGAAGGA GTTCAAGAGA GAGACAGGGG120
TTGATTTGAC TAAAGACAAC ATGGCACTTC AGAGGGTACG GGAAGCTGCT GAAAAGGCTA180
AATGTGAAC CTCTCATCT GTGCAGACTG ACATCAATTT GCCCTATCTT ACAATGGATT240
CTTCTGGACC CAAGCATTTG AATATGAAG TGACCCNGTG CTCAATTTGA AGGGATTGTC300
ACTGATCTAA TCAGAAGGAC TATCGCTCCA TGCCAAAAG CTATGCAAGA TGCAGAAGTC360
AGCAAGAGTG ACATAGGAGA AGTGATTCTT GTGGGTGGCA TGACTAGGAT GCCCAAGGTT420
CAGCAGACTG TACAGGATCT TTTTGGCAGA CCCCAGTAA AGCTGTCAAT CCTGATGANG480
CTGNG 485

Name: 48 Len: 293 Check: 744
AAAGAAATGA ATTGCAGCAG ACTATTAATA AATTAACCAA GGACCCTGGA AGCTGAACAA 60
CAGAAGTTGT GGAATGAGGA GTTAAATAT GCCAGAGNAN NGAAGCGATT GAAACACAAT120
TAGCAGAGTA TCACAAATTG GCTAGAAAAT TAAACTTAT TCCCTAAAGG TGCTGAGAAT180
TCCAAAGGTT ATGACTTTGA AATTAAAGTTT AATCCCGAG GCTGGTGCAA CTTGCCTTGT240
CAAATACAGG GCNCAAGNTT TATGTACCCC CTTAAGGAAC NCCCGAATGG AAA 293

Name: 49 Len: 632 Check: A95
GGCACAGAAT CAAAAGTTTC TGTGGGAATT TTAAATATAA AACTTGAAAT GTATCCACCA 60
CTCAATCAAA CGTTATCTCA AGAAGTAGTG AACACACAGC TTGCTTTGGA ACGTCAGAAA120
ACTGCAGAGA AAGAGCGATT ATTTCTTGTA TATGCTAAGC AGTGGTGGAG AGAATATTTG180
CAAATTCGAC CCTCACACAA CTCACGACTG GTTAAGATTT TTGCACAGGA TGAAATGGG240

224

ATAAATAGAC CAGTCTGTTC CTATGTTAAA CCACTTCGAG CTGGACGGCT TCTTGATACT300
 CCAAGGCAAG CAGCAAGATT TGTTAATGTC CTTGGTTATG AACGAGCCCC TGTTATTGGA360
 GGAGGAGGTA AACAGGAGCA GTGGTGCAT CTGCTGGCCT TTCTCTGTAG AAACAAGGGT420
 GACTGTGAAG ATCAGCCTAA CCTTCTGTGC AGCCTTCTTC TTGGATATGG ATTAGAAGCC480
 TTTGTTTGTG TTGGGACCAA GGCAAAAGGA GTACCTCATG CATGGGTTAT GACTTGTGGA540
 ACTGATGGGG GCATCACTTT TGGGAGAGTT TANAGGACCC AGTACCTCCC TAAACCTACN600
 AATCCCGATG AACCTCCANT GCTGAACAGN CC 632

Name: 5 Len: 603 Check: 1CFB
 AGGACGACCT CCACTTCATA NAAAACGAGT AGAAGATGAG AGTCTGGATA ACACATGGCT 60
 AAACAGGACT GACACCATGA TTCAGACTCC TGGCCCCCTG CCAGCACCAC AACTCACATC120
 CACTGTACTG CGGGAGAAACA GTCGGCCCCAT GGGAGACCAG ATTCAAGAAC CTGAGTCTGA180
 ACATGGTTCT GAACCAGACT TTTTACACAA TCCTCAGATG CAGATCTCTT GGTTAGGCCA240
 GCCGAAGTTA GAAGACTTAA ATCGGAAGGA CAGAACAGGA ATGAACTACA TGAAAGTGAG300
 AACTGGAGTG AGGCATGCTG TTCGGGGTCT AATGGAGGNA GATGCTGAGC CCATCTTTGA360
 AGATGTGATG ATGTCATCCC GAAGCCAGTT AGAAGATATG AATGGAAGAA TTTGGAGGAC420
 ACCATGGGTT ATTGATCTGC CTCCCATCAA GAAATCGGCG AGANGAGAGC TGAGCTAAGG480
 CCCAGACTTC CTTTGACTCT GCCANTTATC CATNGGAGNT GGATTCANGG ATTTGGGAAT540
 GCCCTATGGT TCCTGAAGTN CTGGGAGGAA ATTTTCCAAA CCTNGGACCC CTATTAATTT600
 TGG 603

Name: 50 Len: 582 Check: 181
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 CGCTGAAGCT CAAAGATGGA GGCAAGAAGA AAGGGAAGAA GTCCCCGGAG TCAGCCTCAC120
 CCACCATCCC CAACCTGGAG CTGCTCGAAG CCCACACCAA GGAGGCACTG ACCAAGATGG180
 AGCCGCCCAA GAAGGGCAAG GCCACAAAGA GTGTCTGAG TGTGCCAAC AAAGATGTGG240
 TTCACATGCA GAATGATGTG GAGAGGCTGG AAATTCGAGA GCAAACCAAG AGCAAGTCAG300
 AGGCCAAGTG GAAGTACAAG AACAGCAAAC CTGACTCCTT ACTGAAGATG GAAGAGGAGC360
 AGAAGCTAGA GAAGTCGCCT CTAGCTGGAA ACAAAGACAA TAAGTTCTCT TTTTCTTTCT420
 CCAACAAGAA ACTCCTCGGC TCCAAGGCTC TCAGGCCCCC GACGAGCCCT GGTGTGTTTCG480
 GGGCCTTGCA GAACCTTCAAG GAGGACAAGC CCAAGCTCGT GCGGGATGAG TATGAGTACG540
 TGTCGGATGA CGGTGAGCTT CAGATCGACG AGTTTCCCAT CC 582

Name: 51 Len: 523 Check: 1E87
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 AGCGAAGGAC GGGAGCCGGA CCCTGGGCCC CGTGGAACCTC CAGCCTGCGC CACCACGTCA120
 CGCACACGCT CGGCGCTGCG ATCCGCGCAT ATAACGATAT TTGGATTGGA CCTGCATTTT180
 GGAATTTATC TACACTTAAA ATGCCACCAG CAGTTGGAGG TCCAGTTGGA TACACCCCCC240
 CAGATGGAGG CTGGGGCTGG GCAGTGGTAA TTGGAGCTTT CATTTCCATC GGCTTCTCTT300
 ATGCATTTCC CAAATCAATT ACTGTCTTCT TCAAAGAGAT TGAAGGTATA TTCCATGCCA360
 CCACCAGCGA AGTGTCTATG AATATCCTCC ATAATGTTGG CTGTCTATGTA TGGTGGAGGT420
 CCTATCAGCA GTATCCTGGT GAATAAATAT GGAAGTCGTA TAGTCATGAT TGTTGGTGGC480
 TGCTTGTCAG GCTGTGGCTT GAATTGCAGC TTCNTTCTGT AAN 523

Name: 52 Len: 348 Check: 1165
 GCANGCGCAA NTACCGGCGC TCGCCAAGGA CCCTGGAAGC TACCGTTACC CCGCCGGCAG 60
 CGTGGGCNCA TGAGCAGCTC GGGACTGAAT TCGGAGAAGG TAGCTGCTCT GATACAGAAA120
 CTGAATTCCG ACCCCAGTT CGTACTTGCC CAGAATGTCG GGACCACCCA CGACCTGTG180
 GACATCTGTC TGAAGCGGGC CACGGTGCAG CGCGCGCANA TGGTGTTCCT GCACGCCGTG240
 CCCCAGGAGG GAAAGCCAAT CACCAACCAG AAGAGCTCAG GGCGATGCTG GATCTTTTCT300
 TGTCTGAATG TTATGAGGCT TCCATTCTATG AAAAAGTTAA ATATTGAA 348

Name: 53 Len: 355 Check: 1808
 GCGGCGNCG GCGGCGTANT ANGNAGGGTG CACAGAGAAC ACCCCTAGCA TGAACAGTGT 60
 GAGGATTCCA CCAGCTTTTT CACCATGAAG GAGACAGACC GGGAGCCGTT GCGACANAGG120
 TGCAAAGGGT TGCTGGGATG CTCCAGCGCC CGGACCAGCT GGACAAGGTG GAGCAGTATC180
 GCAGGAGAGA AGCGCGGAAG AAGGCCCTCCG TGGACANGAA TTTGAAGAGA GCGGATCTGA240
 AAGCTCAGGT GCGCGATTCT GTCCTGTGGG TCAGCCGTCC TGGGGCCAAG TTGTGGTGTCT300
 GGCTGAACAG CAGGAACCTC CCCGCCCCAA AGCCAGTTGA AGTTCCTGAC CGTTC 355

Name: 54 Len: 330 Check: 2652
 AACNATGCNG TTTTCTCCTT CTACACACTT GGGCGTCTATG TCTGGAGCTG CAGAGGAGGT 60
 GGCCACTGGA GCAGAGGTGG TGGATCTGCT GGTGGCCATG TGTAGGGCAG CTTTAGAGTC120
 CCCTAGAAAAG AGCATCATCT TTGAGCCTTA TCCCTCTGTG GTGGACCCCA CTGATCCCAA180
 GACTCTGGCC TTTAACCCTA AGAAGAAGAA TTATGAAGCG GCTTCAGAAA GCTCTGGGAT240
 AGTGTGATGT CTATTCGGGG AGATGACCCA GGGCTCATAA TTTGGAAATC AAGAAACAGA300
 TGGACAAAGT TTGGATCCCC CTGGGCCCCAT 330

Name: 55 Len: 451 Check: 1D60
 TCNGACAGAA AAGCTGTACG TTATATGTTG GAAATCTTTC TTTTACACA ACTGAAGAAC 60

222

AAATCTATGA ACTCTTCAGC AAAAGTGGTG ACATAAAGAA AATCATTATG GGTCTGGATA120
 AAATGAAGAA AACAGCATGT GGATTCTGTT TTGTGGAATA TTAATCAGCGC GCAGATGCGG180
 AAAACGCCAT GCGGTACATA AATGGGACGC GTCTGGATGA CCGAATCATT CGCACAGACT240
 GGGACGCAGG CTTTAAGGAG GGCAGGCAAT ACGGCCGTGG NGAATCTGGG GGGCAGGTTTC300
 CGGGATGAAG TATCCGCGAG GACTACCGAT GCTGGGAAGA GGAGGCTAAT GGGAAAACGT360
 GCACAGAACC AGTGAGTGGT TGAGAGCTCT GTCAGTGACA AACACTCCTT TGGCCTGTTT420
 GAATTTGCTG AAGAACATCA CCTAAAGTCG G 451

Name: 56 Len: 355 Check: 1FCB
 GGATGTGGAG TGATGGGAAC GGTTCACATA CTGACTGTGG ATCTCAAGTA TACCATTGAA 60
 AACCCAAGGC ACTTTGTGGA CTCACACCAC CAGAAGCCTG TTAATGCTAT CATCGAGCAT120
 GTGCGGGACG GCAAGTGTGGT CAGGGCCCTG CTCCTCCCAG ATTACTACCT GGTACAGTC180
 ATGCTGTGAG GCATCAAGTG CCCAACTTTT CGACGGGAAG CAGATGGCAG TGAAACTCCA240
 GAGCCTTTTG CTGCAGAAGC CAAATTTTTT ACTGAGTCGC GACTGCTTCA GAGAGATGTT300
 CAGATCATTC TGGAGAGCTG CCACAACCAG AACATTCTGG GTACCATCCT TCATC 355

Name: 57 Len: 468 Check: 291
 TTGTTCTGGA TTCCCGTCGT AACTTAAAGG GAAATTTTCA CAATGTCCGG AGCCCTTGAT 60
 GTCCTGCAA TGAAGGAGGA GGATGTCTT AAGTTCCTTG CAGCAGGAAC CCACTTAGGT120
 GGCACCAATC TTGACTTCCA GATGGAACAG TACATCTATA AAAGGAAAAG TGATGGCATC180
 TATATCATAA ATCTCAAGAG GACCTGGGAG AAGCTTCTGC TGGCAGCTCG TGCAATTGTT240
 GCCATTGAAA ACCCTGCTGA TGTGAGTGT ATATCCTCCA GGAATACTGG CCAGAGGGCT300
 GTGCTGAAGT TTGCTGCTGC CACTGGAGCC ACTCCAATTG CTGGCCGCTT CACTCCTGGA360
 ACCTTCACTA ACCAGATCCA GGCAGCCTTC CGGGAGCCAC GGCTTCTTGT GGTACTGAC420
 CCAGGGCTGA CCACAGCTCT CAAGGGGCAT CTTATGTTAC CTACCTAC 468

Name: 58 Len: 394 Check: E20
 ACAGTGTGCC TTCAGCCCGA GGAATCGGAC TCGGCTCAGA CTCCGGTTCT TTGTTTCTG 60
 GAAGGTGGCA CGGGGACTCA GGCGGCCAGG GTCGAGGGCC AGGTCCAAGG TCACAGAGCT120
 TTGGAGGTCA CCTGTAGGCG GTCGAGGGA CGGCGTTGAG ACAGGAAGTC CTTGGGTGGA180
 CAATGAGCAG GGTGGGAGAC AGGGGCCTGG GATGGGGGAC TCCAGAGGTC AGGGTGTCT240
 GGGTTGGAGG GGAGGGGACT CACGGCTCCC AAGCAGGTTT TTAGAACGTT TGTCAATGTA300
 AAGGCAGATG TTGGACTGTA CCAGGGTCTG CTCAGAGACC ACCTGCTCCC GACACTCAA360
 CGCAGACCTG GGGATCTCGG CAGGTATGAA CTGC 394

Name: 59 Len: 296 Check: 10B1
 GCCAGGCGTA CTGACAGGTG GACAGCGGA CTGGTGGAGA TGGCGACGCT CTCTCTGACC 60
 GTGAATTCAG GAGACCTTCC GCTAGGAGCT TTGCTGGCAG TAGAACACGT GAAAGACGAT120
 GTCAGCATTT CCGTTGAAGA AGGGAAAGAG AATATTCTTC ATGTTTCTGA AAATGTGATA180
 TTCACAGATG TGAATTCTAT ACTTCGCTAC TTGGCTAGAG TTGCAACTAC AGCTGGGGTA240
 TATGGCTCTA ATCTGATGGA CCATACTTTA GATTGATCAC TTGGTTGGTA GGTTA 296

Name: 6 Len: 573 Check: EDF
 GCGACNCGCC GAGCCTCGTC AGCCTGCGCA GCCCCCTACA GGAGGCCAG CCCGAGTGCA 60
 GTCCAGAAGC CCCCCCAGCG GAGGCGNCAG AGTAAAGAG CAAGCTTTTG TGAGATAATC120
 GAAGAACTTT TCTCCCCCGT TTGTTTGTG GAGTGGTGCC AGGTACTGGT TTTGGAGAAC180
 TTGTCTACAA CCAGGGATAT ATTTTAAAGA TGTCTTTTTT TATTTTACTT TTTTAAAGC240
 ACCAAATTTT GTTGTTTTTT TTTTTTCTCC CTTCCCCACA GATCCCATCT CAAATCATTC300
 TGTTAACCAC CATTCOAACA GGTGAGGAG AGCTTAAACA CCTTCTTCTT CTGCCTTGT360
 TCTCTTTTAT TTTTATTTT TTCGCATCAG TATTAATGTT TTTTGCATAC TTTGCATCT420
 TATTCAAAG TGTAACCTT CTTTGGTCNA ATCTATGGGA CATGGCCCAT ATATGGAAGG480
 AGATGGGGTG GGGTCAAAA GGGGATATCA AATGAAAGTG GATAGGGGGC CACAATGGGG540
 GAAATTGAAG TGGGGGNATA ACATGCCCAA AAT 573

Name: 60 Len: 426 Check: BE0
 CCGGACTCCC GGGAGGTGGA CCGGCAGAAG AGGGGGCTAG CTAGCTAGTC TGTCGGGACC 60
 AGGGAGACCC CCGGCCCCC CCGGTGTGAG CGGGCCTCAC AGGGCCGGGT GGGCTGGCGA120
 GCGACGCGCG CGCAGGAGG GTGAGGAGT GTGTGGAACA GACCCGGGA CAGAGGAACC180
 ATGGCTCCGC AGAACCTGAG CACCTTTTGC CTGTTGCTGC TATACCTCAT CCGGGCGGT240
 ATTGCCGGAC GAGATTCTTA TAAGATCTTA GGGGTGCCTC GAAGTGCCTC TATAAAGGAT300
 ATTAAAAGG CCTATAGGAA ACTAGCCCTG CAGCTTCATC CCGACCGGAA CCCTGATGAT360
 CCACAAGCCC AGGAGAAATT CCAGGATCTG GGTGCTGCTT ATGAGGTTCT GTCAGATAGT420
 GAGAAC 426

Name: 61 Len: 461 Check: 1AA2
 CGCTTCTGT ACAAGGGCGA GGGCTGAAC AAGATCAGCC ATCGGGGACT ACCTGGGGGA 60
 GAGGGAAGAA CTGAACCTGG CAGTGCTCCA TGCTTTTGTG GATCTGCATG AGTTCACCGA120
 CCTCAATCTG GTGCAGGCCC TCAGGCAGTT TCTATGGAGC TTTCCGCTAC CCGAGAGGC180
 CCAGAAAATT GACCGGATGA TGGAGGCCTT CGCCCAGCGA TACTGCCTGT GCAACCCTGG240
 GGTTTTCCAG TCCACAGACA CGTGCTATGT GCTGTCTTC GCCGTATCA TGCTCAACAC300

223

CAGTCTCCAC AATCCCAATG TCCGGGACAA GCCGGGCGCTG GAGCGCTTTG TGGCCATGAA360
 CCGGGGCGATC AACGAGGGCG GGGACCTGCC TGAGGAGCTG CTCAGGAACC TGTACGACAG420
 CATCCGAAAT GAGCCCTTCA AGATTCCTGA GGATGACGGG A 461

Name: 62 Len: 422 Check: 21C3
 ATCAACAAGG AGATGCTAAA GGTGGAAG CAGAAAGCCT TGGTCAAGGA TACAGAGCTG 60
 GACTTGCATG GGTATTAGGA GATGCTGAAG AACTGCCCTT TGATGATGAC AAGTTTGATA120
 TTTACACCAT TGCCTTTGGG ATCCGGAATG TCACACACAT TGATCAGGCA CTCCAGGAAG180
 CTCATCGGGT GCTGAAACCA GGAGGACGGT TTCTCTGTCT GGAATTTAGC CAAGTGAACA240
 ATCCCTCAT ATCCAGGCTT TATGATCTAT ATAGCTTCCA GGTCATCCCT GTCCTGGGAG300
 AGGTCATCGC TGGAGACTGG AAGCCTATCA GTACCTTGTA GAGAGTATCC GAAGTTTCCG360
 TCTCAGGAAG AGTTCAAGGA CATGATAGAA GATGCAGGCT TTCACAAGGT GACTTACGAA420
 AG 422

Name: 63 Len: 280 Check: C60
 AGAAGTAGAG CAGAAGAAGA AGCGGACCTT CCGCAAGTTC ACCTACCGCG GCGTGGACCT 60
 CGACCAGCTG CTGGACATGT CCTACGAGCA GCTGATGCAG CTGTACAGTG CGCGCCAGGC120
 GGCGGCTGAA CCGGGGCGCTG CGGCGGAAGC AGCACTCCCT GCTGAAGCGC CTGCGCAAGG180
 CCAAGAAGGA GGCGCGCGCC ATGGAGAAGC CGGAAGTGGT GAAGACGCAC CTTCCGGGACA240
 TGATCATCCT ACCCGAGATG GTGGGCAGCA TGGTGGGCGT 280

Name: 64 Len: 408 Check: A6C
 CTGGGAGATG AAACAGAGGA AGAAGAAACA AAGCCCATTG AGCTCCCTGT CAAAGAGGAA 60
 GAACCCCTG AAAAACTGT TGATGTGGCA GCAGAGAAGA AAGTGGTGAA AATTACATCT120
 GAAATACCAC AGACTGAGAG AATGCAGAAG AGGGCTGAAC GATTCAATGT ACCTNTGAGC180
 TTGGAGAGTA AGAAAGCTGC TCGGGCAGCT AGTTTGGGA TTTCTTCAGT TCCAACAAA240
 GGTCTGTAT CTGATAACAA ACCTATGGTT AACTTGGGAT AAGCTGAAGG AAAGAGCTCC300
 AAAGATTTGG TTTGAATGTC TCTTCAATCT CCAGAAAGTC TTGAAGATGA TGAGGAAACT360
 GAAAAAGAGG GAAGGAGCGA TTTGGGGATT GTCACAAGTT CAGCTGGA 408

Name: 65 Len: 463 Check: 10CC
 AGCCGCTGGG GCGAGGACGG CGCGAGGCTG CTGCTGCTGC CCGCGGCCCG CGCGGCTGGA 60
 AACGGAGAGG CCGAGCCAAG CGGCGGCCCG TCTTATGCTG GGAGGATGCT GGAGAGTAGC120
 GGCTGCAAAG GCTGAAGGAG GCGGTGCTGG AGAAGCGCAG ACNCGGTTGT TGCAGCTCTG180
 GAAGAAAAAG TGTTGCATCC TCACCGAGGA AGGGCTGCTG CTTATCCCGC CCAAGCAGCT240
 GCAACACCAG CAGCAGCAGC AACAGCAGCA GCAGCAGCAG CAACAACAGC CCGGGCAGGG300
 GCGGGCCGAG CCGTCCCAAC CCAGTGGCCC CGCTGTGCGC AGCCTCGAGC CGCCGGTCAA360
 GCTCAAGGAA CTGCACTTCT CCAACATGAA GACCGTGGAC TGTGTGGAGC GCAAGGGCAA420
 GTACATGTAC TTTACTGTGG TGATGGCAGA GGGCAAGGAG ATC 463

Name: 66 Len: 512 Check: 111A
 CGCGCCAAGG GACGTGTTTC TGCGCTCGCG TGGTCATGGA GGCGCTGCCG CTGCTAGCCG 60
 CGACAACTCC GGACCACGGC CGCCACCGAA GCTGCTTCTG CTGCCGCTAC TGCTGTTCTCT120
 GCTGCCGGCT GGAGCTGTGC AGGGCTGGGA GACAGAGGAG AGGCCCCGGA CTCGCGAAGA180
 GGAGTGCCAC TTCTACGCGG GTGGACAAGT GTACCCGGGA GAGGCATCCC GGGTATCGGT240
 CGCCGACCAC TCCCTGCACC TAAGCAAAGC GAAGATTTCC AAGCCAGCGC CCTACTGGGA300
 AGGAACAGCT GTGATCGATG GAGAATTTAA GGAGCTGAAG TTAAGTATT ATCGTGGGA360
 ATACTTGGTT TTCTTCTTCT ACCCACTTCA TTTCACATT GTGTGTCCAA CTGAAATTAT420
 CGCTTTTGGC GACAGACTTG AAGAATTGAG ATCTATAAAT ACTGAAGTGG TAGCATGCTC480
 TGTTGATTCA CAGTTTACCC ATTTGGCTGG GA 512

Name: 67 Len: 367 Check: 9A2
 GGAGAGCAAC ATTAGGATCT ACAGCGAGAG GCCCCTCCT GGCTGAGCAA AGATGACATC 60
 CGAAGAATGC GACTCTTGGC GGACAGCGCA GTGGNCAGGG CTCGGGCTG TGTCTCTAG120
 GAGCGGAGCC GTTTGCTGGT GCTGGAGGGG GGCGCACCTG GCGCTGTGCT CCGCTGTGGC180
 CCTAGCCCCCT GTGGGCTTCT CAAGCAGCCC TTGGACATGA GTGAGGTGTT TGCCTTCCAC240
 CTAGACAGGA TCCTGGGGCT CAACAGGACC CTGCCGTCTG TGAGCAGGAA AGCAGAGTTC300
 ATCCAAGATG GCCGNCCATG CCCATCATT CTTTGGGATG CATCTTTATC TTCAGCAAGT360
 AATGACA 367

Name: 68 Len: 402 Check: 19DD
 TGCAGATGTA GATCCTGAAA ACCAGAACTT TTTACTTGAA TCGAATTTGG GGAAGAAGAA 60
 GTATGAAACA GAATTTTCATC CAGGTACTAC TTCCTTTGGA ATGTCAAGTAT TTAATCTGAG120
 CAATGCGATT GTGGGCGAGT GAATCCTTGG GCTTTCTTAT GCCATGGCTA ATACTGGAAT180
 TGCTCTTTTT ATAATCTCT TGACATTTGT GTCAATATTT TCCCTGTATT CTGTTTCACT240
 CTTTTTGAAG ACTGCCAATG AAGGAGGGTC TTTATTATAT GAACAATTGG GATATAAGGC300
 ATTTGGATTA GTTGGAAAGC TTGCAGCATC TGGATCAATT ACAATGCAGA ACATTGGAGC360
 TATGTCAAGC TACCTCTTCA TAGTGAAATA TGAGTTGCCT TT 402

Name: 69 Len: 545 Check: 240C
 GCGGCGTGCG GCACGTNNCA GGGCTGAAGC GCGGCGGGCG GTGGGGNCTG CACGTAGCCC 60

224

GGCGCTCGGC ATGGCTCTCC TGGTGCTCGG TCTGGTGAGC TGTACCTTCT TTCTGGCAGT120
 GAATGGTCTG TATTCCTCTA GTGATGATGT GATCGAATTA ACTCCATCAA ATTTCAACCG180
 AGAAGTTATT CAGAGTGATA GTTTGTGGCT TGTAGAATTC TATGCTCCAT GGTGTGGTCA240
 CTGTCAAAGA TTAACACCAG AATGGAAGAA AGCAGCAACT GCATTAAAAG ATGTTGTCAA300
 AGTTGGTGCA GTTGATGCAG ATAAGCATCA TTCCCTAGGA GGTCAGTATG GTGTTCAAGGG360
 ATTTCTTACC ATTAAGATTT TTGGATCCAA CAAAAACAGA CCAGAAGATT ACCAAGGTGG420
 CAGAAGTGGT GAAGCCATTG TAGATGCTGC GCTGAGTGCT CTGCGCCANT CGTGAAGGAT480
 CGCTCGGGGG ACGAAGCGGA GGATACAGTT CTGGAACACA AGGCAGAAGT GATAGTTCAS40
 GTAAG 545

Name: 7 Len: 487 Check: 1EF0
 TAAGGGTTTC TCTACTATGT CCACTTGGTA AAATGCGGCT GACAATTCCG TGTGGGGCCC 60
 TTACATGTTT TCATCTACAA TGTTTTGACG CAACTCTTTA CATTGAGATG AATGAGAAA120
 AACCAACCTG GGTGTGTCTT GTCTGTGATA AGAAGGCTCC ATATGAACAC CTTATTATTG180
 ATGGCTTGTT TATGGAATC CTAAGTACT GTACAGACTG TGATGAAATA CAATTTAAGG240
 AGGATGGCAC TTGGGCACCG ATGAGATCAA AAAAGGAAGT ACAGGAAGTT TCTGCCTCTT300
 ACAATGGAGT CGATGGATGC TTGAGCTCCA CATTGGAGCA TCAGGTAGCG TCTCACCACC360
 AGTCCTCAAA TAAAAACAAG AAAGTAGAAG TGATTGACCT AACCATAGAC AGTTTCTCTG420
 ATGAAGAGGA AGAAGAGCCA TCTGCCAAGA GGACCTGTCC TTCCCTATCT CCCACATCNA480
 CCACTAG 487

Name: 70 Len: 359 Check: 19B0
 GCCTACTGCA CCGCCGACCA CAACGTGAGC CCCAACATCT TCGCCTGGGT CTACAGGGAG 60
 ATCAATGATG ACCTGTCCCTA CCAGATGGAC TGCCACGCGG TGNAGTGCGA GAGCAAGCTC120
 GAGGCCAAGA AACTGGCCCCA CGCCATGATG GAGGCCTTCA GGAAGACTTT CCACAGTATG180
 AAGAGCGACG GGCGGATCCA CAGCAACAGC TCCTCCGAAG AGGTTTCCCA GGAATTGGAA240
 TCCGATGATG GCTGAATGAA CTTTNAAGC CTTNAGCAAA GGCAGCATG GTCACGGGGT300
 TCAAGGGAAT TAGATTGAGT AAGCAACGTT TCAAATTTGG GATGAAAGAT TTCCAAATT 359

Name: 71 Len: 392 Check: 1BC4
 CTATGTNGCA ATTCCAAGAC CAAGTCAGTA GTATTACAGC TGGCTGATGG CCAGATATTT 60
 AAGTACCTTT GGGAGTCACC TTCTCTGGCT ATTAACCCTA GGATGAACTC TGGTGGATTT120
 CCTGTTCCGGT TTCCTTATCC ATGCACCCAG ACCGAATTGG CCATGATTGG AGAAGAGGAA180
 TGTNTCCTTG GTCTGACTGA CAGGTGTGCG TTTTTCATCA ATGACATTGA GGTGCGTCA240
 AATATCACGT CATTGTCAGT ATATGATGAG TTTTATTGTT TGACAACCCA TTCCCATAACC300
 TGCCANTGTT TTTGCCCTGAG GGATGCTTCA TTTAAACAT TACAGGCCGG CCTGAGCAGC360
 AATTCATGTG TCCCATGGGG AAGTTTCTGC GG 392

Name: 72 Len: 344 Check: 65D
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 CGCAGATACC CACGTAAGAN ATGTATCTNC TGCTTCTTGC TTGGCTTGCT TTTGGCAGTC120
 ACTGCCACTG GCCTTGNCCT TGGCAGATGG AAGCATGCAC GGCGATATGG AGGCATCTAT180
 GCAGCCTGGG CATTNTCAT CCTGTTGGCT GTGCTGTGTT TGGGCCGGGC TCTTTATTGG240
 GCCTGTATGA AGGTCAGCCA CCTGTCCAG AACTTCTCCT GAGCCTGATG ACCCAGACAG300
 TGTGCCCTGGN CCTTCCCTGG TGGGGACAGT GACACTACGA AGGG 344

Name: 73 Len: 311 Check: 1E74
 GTGGGATGGG GTGCCCTTCA TCCTGCGCTG CGGCAAGGCC CTGAACGAGC GCAAGGCOGA 60
 GTGAGGCTG CAGTCCATG ATGTGGCGG CGACATCTTC CACCAGCAGT GCAAGCGCAA120
 CGAGCTGGTN ATCCGCGTGC AGCCCAACGA GGCCGTGTAC ACCAAGATGA TGACCAAGAA180
 GCCGGGCATG TTCTTCAACC CCGAGGAGTC GGAGCTGGAC CTGACCTACG GCAACAGATA240
 CAAGAACGTG AAGCTCCCTG ACGCCTATGA GCGCCTCATC CTGGACGTCT TCTGCGGGAC300
 CAGATGCACT T 311

Name: 74 Len: 176 Check: 1B5C
 CTGTTCTCTG GAAATGTTTG ATGCTACTCT GAAAGATCGA GAACTGAGCT TTCAGTCGGC 60
 TCCAGGTACT ACCATGTTTC TGCATTGGCT AGTGGGAATG GTATATGTNT TCTACTTTGC120
 CTCTTTCATT CTACTACTGA GAGAGGTACT TNGACCTGGT GTCCTGTGGT TTCTAA 176

Name: 75 Len: 276 Check: 120F
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 CCTCATTCGC TACATCTGTG GGGTAGTCCA NCCTTCTAAT GAAGTACTGA GTTCAGATAT120
 CTTGCCCCGG TGGGCCATCA TTGGTTGGCT CCTGACAACG TGCACGTCAA ATGTCGCTGC180
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 CATTATGAAC ATAGAACCAG CCATCCTGGT CATGCA 276

Name: 76 Len: 310 Check: 21A5
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 ATGCCATAGT ATTGTGCAAG CATAAAGGCA TCACAAGTGG TCGGGCTCAG CTAATCTGCT120
 TCCTACAGAC TTTCTTCTTT GGGATAGCGT CTCTCACCAT CTTGATTGCT TACAAACGGA180
 AGCGCCAAAA ACAAACTTGA AGTTGTCTGA AAGCTTGCTC TACACTTTTA CATTTCATCT240

225

CACCCTTTTT TTTGTGGGGT AGAGGAGGTT GCAGTANTTT ACTCAGTGAT CTTTCTACTT300
 TCTAGAAACT 310

Name: 77 Len: 295 Check: 102E
 CCTCACTGCT ATGGGGCCGCA ACAAGAAGAA GAAGCGAGAT GGTGACGACC GGCGGGCCGAG 60
 GCTCGTTCTT AGCTTCGACG AGGAGAAGAG GCGGGAGTAC CTGACAGGCT TCCACAAGCG120
 GAAGGTCGAG CGAAAGAAGG CAGCCATTGA GGAGATTAAG CAGCGGCTGA AAGAGGAGCA180
 GAGGAAGCTT CGGGAGGAGC GCCACCAGGA ATACTTGAAG ATGCTGGCAG AGAGAGAAGA240
 GGCTCTNGAG GAGGCAGATG AGCTGGACCG GTTGGTGACA GCAAAGACGG AGTCG 295

Name: 78 Len: 406 Check: 233D
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 GAGGTTACCT ACAAACCCCT GAGGAACAAA GACTTCCAGG AGGTGACACT NGAGAAGGAG240
 GGCCAGGTGC TGCTGCACTT CGCAATGGCG TACGGCTTCC GCAACATCCA GAACCTGGTG300
 CAGAGGCTCA AACGAGGGCG CTGCCCCCTAC CACTACGTGN AGGTCATGGC CTGCCCCCTCA360
 GGCTGCCTGA ACGGCGGGGG GCCAGCTCCA GGTCCCAGAC AAGGCC 406

Name: 79 Len: 288 Check: 18D6
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 CTCACTTGCT TCACGCATGA CAACAACCAC TGGCAGACAG CCCCCTTNTG GAACCTGGGA120
 TCTTTCTGTG CTTGCACGAG TTCTAACAAT AACACCTACT GGTGTTTGCN TACAGTTAAT180
 GAGACGCATA ATTTNNTTTT CTGTGAGTTT GCTACTGGCT TTTTGGAGTA TTNGATATG240
 AATACAGATC CTTATCAGCT CACAAATACA GTGCACACGG TTAGAACG 288

Name: 8 Len: 168 Check: E5E
 CAAATTTGTG TTGTATATAT TCGTATTCCA TGTGTTAGAT GGAAGCATT CCTATCCAGT 60
 GTGAATAAAA AGAACAGTTG TAGTAAATTA TTATAAAGCC GATGATATT CATGGCAGGT120
 TATTCTACCA AGCTGTGCTT GTTGGTNTT TCCCATGACT GTAATGCT 168

Name: 80 Len: 322 Check: 1995
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 GAAGTAACGT TCTGATTCTT TTTCTTACAC AGAATTGGCA GAGGGGGTCG ATTTGGGAGG120
 AAAGGTGTGG CTATAAACTT TGTTACTGAA GAAGACAAGA GGATTCTTCG TGACATTGAG180
 ACTTTCTACA ATACTACAGT GGAGGAGATG CCCATGAATG TGGCTGACCT TATTTAATTC240
 CTGGGATGAG AGTTTTGGAT GCAGTGCTCG CTGTTGCTGA ATAGGCGATC ACAACGTGCA300
 TTGTGCTTCT TTCTTTTGGG GA 322

Name: 81 Len: 361 Check: 2C4
 ATTCTCTAAA ATGCTTAATG CCTTTGAAAT TTTGTAATCA AAAAAAGCT TTGAAAAAT 60
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 TAAATGCATG GCAACTGTGA ATGTCATAAC AGTTTAGTTA TTTTGTCTG TTCTGTCTATG240
 TGCCACAAAA TATGTACTTT TTTCACTTTT TTCCCTTTGT ATATCAGTTA CGGGTTACAA300
 CTGTTTCATT CTGAAAACAA CAACAACAAA AGTCCATTCA TATTTTTTAA CCATTGTATA360
 G 361

Name: 82 Len: 206 Check: 7A3
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 CCATCACACT GGCGGCCGCT CGAGCA 206

Name: 83 Len: 563 Check: 815
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 GTTTATACAT GAAAGCATCC ATGATGAGGT TGTAAACAGA CTAAAAAGG CCTATGCACA120
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 TCTTGGCCAC GATGCGTCCA TTGCACACAC AGAGACTTTT GCTCCGATT TCTATGTCTT360
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 TGGAGGAGAA AAGCACACTG GTG 563

Name: 84 Len: 450 Check: 97B
 ATTTGGTGTG TTCATGAACA CGCTAAATGG CTGGTAAAT GGGTGTGGTT CAAAGCCTGA 60
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 CTGGGTCCTC AATAGGAAT TTTCATACCA GCCATAAACA ATCCAGATGG CTGCCACGTG180
 GTCCTTACCA GTGAGAGGCG TCACACAGCA CACACTGCAT GAATGGGGAT GAAATCATTC240
 CTGAATTAAT ATAGGGTTAT ATTACTTGA CCTCAGCCAT TTGAGCCTCA GTGTCTGCAT300

226

CATATGTGTT TAGTATATGG ACATCTAACT GAAATTATTA ACGTGGCAAT TTATGCGTGC360
CTTTTTTGGA AATATTCTAT TTTAATGGAA AGAATTATGT AGAAATACTG GATACATTTT420
TAAAAACATC CATAATTCAC CATCTTGACA 450

Name: 85 Len: 320 Check: 75F
CCATTAGTGT TCACACTCAG ACATTTTTGC CCAGCTCTAA GGTAACCTCA TCTATAGCTG 60
CTCAGACTGA TGCATTTATG GACACCTGTT TCCAGTCAGG TGGGGTCTCC AGAGAAACTC120
AAACCAGTGG GATAGAAAGT CCAACGGATG ACCATGTACA GATGGACCAA GCTGGAATGT180
GCGGAGACAT TTTTGAGAGT GTTCATTCAT CATATAATGT TGCTACAGGT AACATTATAA240
GCAACAGTTT AGTAGCAGAG ACAGTAACTC ATAGTTTGT ACCTCAGAAAT GAGCCTAAGA300
CTTTAAATCA AGATATTGAG 320

Name: 86 Len: 524 Check: 1602
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AAAAGGTACT AAGCCTTTTA CAAATTGGTG AGTACTGGCA CATGAGATCT AGAGCAGGAG180
CAACTTCTCA CACATAGTAA GTGGGAAAAG AAAGTGCTTT GAAAGTTCCCT CCCTCACCTA240
CACAGTAGTC GTCATGTCGA GACCTGCCAG AGAGAGACAC ATTCTCAAGT GAATCCTGGC300
TTCTTGGAAG CGCTTGCCCTA GACGAGACAC AGTGCATAAA AACAACCTTTT GGGGGACAGG360
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TTGAACCTCT GATGAATGTG TAATGCAAAG GACCTTGATC ATTTTTTTGT TTCAAGGTCC480
TCAAAATGAG CACATGAAGA GGTGCTGTG AAACCTTAAG TGGC 524

Name: 87 Len: 439 Check: 2297
CTCTGGGCCC CTCTCTTGGG TCTGTGCTGC AGTCTGGCCG CTGCTGATCG CCACACCGTC 60
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AATGACTACG TGGACATCAT CTGTCCGCAC TATGAAGATC ACTCTGTGGC AGACGCTGCC180
ATGGAGCAGT ACATACTGTA CCTGGTGGAG CATGAGGAGT ACCAGCTGTG CCAGCCCCAG240
TCCAAGGACC AAGTCCGCTG GCAGTGCAAC CGGCCCAGTG CCAAGCATGG CCCGGAGAAG300
CTGTCTGAGA AGTTCCAGCG CTTACACCTT TTCACCCCTGG GCAAGGAGTT CAAAGAAGGA360
CACAGCTACT ACTACATCTC CAAACCCATC CACCAGCATG AAGACCGCTG CTTGAGGTTG420
AAGGTAACCTG TCAGTGGCA 439

Name: 88 Len: 376 Check: 233
TGAATTGAAG GAGCTGCAAA AAACCTTTGA AATCTCCATT GGGAGAAAAG ATGAGGTGAT 60
TTCTAGCTTG TCTCATGCCA TAGGAAGCAA AAGGAAAAGA TAGAGTTGAT GAGAACATTC120
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GACCAGTACT ACCAGAGAAC TTTACTGAAG AAAGTCTGGA AAGTCTGGCG TTCCGTAGTG240
CAAAAGCAGT GGAAAGATGT GGTAGAAAGA GCTTGTCAAG CAAGAGCTGA AGAAGTTTGT300
ATCCAGATTT CCAATGATTA TGAAGCCAAA GTTGCTATGT TATCTGGAGC TTTGGAAAAT360
GCAAAAGCTG AGATTC 376

Name: 89 Len: 341 Check: 7BF
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AGGCCCGCTG GTTCGTGCTG GACAAGACCA AGCACCAGCT GCGCTACTAC GACCACCGTG120
TGGACACAGA GTGCAAGGGT GTCATCGACT TGGCGGAGGT GGAGGCTGTG GCACCTGGCA180
CGCCCACTAT GGGTGCCCCCT AAGACTGTGG ACGAGAAGGC CTTCTTTGAC GTGAAGACAA240
CGCGTCGCTT TACAACCTCT GTGCCCAGGA CGTGCCCTCG GCCCAGCAGT GGGTGGACCG300
GATCCAGAGC TGCTGTGCTG ACGCCTGAGC CTCCAGCCC T 341

Name: 9 Len: 219 Check: 327
AGAGAGTGGT TCAAAGTAGA AGATGCTATC AAAGTTCTCC AGTGTCTATA ACCTGTACAT 60
GCAGAGTATC TGGAAAAGCT AAAGCTGGGT TGTTCGCCAG CCAATGGAAA TTCTACAGTC120
CCTTCCCTTC CGGATAATAA TGCCTTGTTT GTAACCGCTG CACAGACCTC TGGGTGCCA180
TCTAGTGTAA GATAGAGAGA ACTGGGTAGG CCTCTCCCA 219

Name: 90 Len: 394 Check: B4E
CTTGCGGTTA CCAGTTATTA CCAAGATGG AGATTGGACC AGTATCATCT TCAAGATTG 60
GTCACATATTA TGATGCATCA AAAAGAATGC CACAAGAACT AATTGAGGCT TCAAATTGGC120
ATGGATTTTT TCTTCCAGAG AAAATATCTT CAACTCTCAA AGTAGAACCC TGTCTTTGA180
CCCCTGGCTA CACAAAGCTG CTTCAGTTTA TCCAGAACAT CATTTATGAG GAAGGATTG240
ATGGATCCAA TCCTCAGAAA AAACAGAGAA ACATTTTAAAG AATAGGAAT CAGAATCTTG300
GCTCACCTTT ATGGGGAGAC GATATTTGCT GTGAGAAAAT GGTGGCAACA GTCACAGCCT360
TACCAAGTTC CTCTATGTTT TCGTGGTCT TCTG 394

Name: 91 Len: 153 Check: 1C06
ACCCATGGGA TGAGTGTGTTT ATTCATGCTG TTTCCAGGAA GGGATGTCAA AGCTGGACCA 60
GTGAAAACCC TTGGAGGCTT TTTTTCAGT TGGCCACAGG GGTGTTGGAG GCCTGCTTAT120
GGGTCCCTCGA TGTCGAGAAA CTCCTGCTTG GGG 153

Name: 92 Len: 479 Check: 1FC7
CATTGGGCCCT CTAGATGCAT GCTCGAGCGG CCGCCAGTGT GATGGATATC TGCAGAATTC 60

227

GGCTTAGCGT GGTGCGGGCC GAGGTACATT CTTGTAGAAC CGGGTTCGTT TTTCCAGTTT120'
TGTAAGAAAA TAGATGTTCC AGCCACCATT TACTTAACTG TCTAATATTT AAGACCAATC180
AATATGTTCC CTGGAAAGAT GAAAAAGTCT CATGACTAAC TCGTTTTTTT AAAAATTCCT240
TAAACAAAA AGTGTGTGTG TGTGTGTGTG TGTGTTTACT CTCAAAGCAC AGCATTTCAC300
CAGCAGCAGC CAACATGGGG TTTAGTAGCT TCACTCACCC CTAACATAAG CTTTGAATAA360
ACCACTGATT TACTACAAAA AACACTGTCC TTGAAAGAAA NGACNGCAGT CATACTGAA420
CGTGAACCTT GGAATGATCA GGTCTTAAAC ATGGCACTTA AAAAGTTACT TATCAAAAC 479

Name: 93

Len: 560 Check: 25DE

TTTTTTTTGC CAGTGCCAGG ATAAAAAGCA AAATTTTAAA TTGGAAAATG TCTAGCACTT 60'
TACACAGTGG AATGAAAGAA TACGAAATTC AAAAAACATTA TTAAAAGTCC ATATGCCGCA120
GCAGCACGCG CCATGATGAG AGCTCCCTT CCGAGGCGCT TCTGGAGCAG CTTCTCAAC180
CTGTCCGGGA GACGGGCTCA GAAGAGCAGG GCCCCCATGC TGCCAACCTC GCTTTGCTCC240
TTAACGAAGA TCTCAAAGTA CTGGTAGATG ATTGTGACTG CGAGCAGGAT CCCGGTTCCA300
GACCCAATGG CGCCTAGGAA GTACAGCAGG ACCGAGAGGG CCCCAGTGCA CAGCCCACCA360
AAGGCCGCGG CTGTGGGGAT GTACCGGTTG AGTTTCATGGA CCATGGAGGT CTCTCGGTGG420
CCTCTCATCA CCATCTGCTG CTCCTTCAGC TGCTTTGCAA CATCTTTGGC AGAGGAACCT480
GAGACCTCAA TCCACGTTTT GGAGAAGAAT GCACAGGAGC CCAGCATGAA CACTATGTAT540
ACAACTGCAT GGAACGGGTC 560

Name: 94

Len: 396 Check: 376

GACCTCTTAC CTTACTGATG CTGGCAAATA ACAAATACAG ATGGTAATAG ACTCTGGAAT 60
AGTTCCTCAT TTGGTTCTCT TGCTCAGCCA CCAGGAAGTT AAAGTTCAGA CTGCTGCACT120
TAGAGCTGTG GGCAACATTG TTACTGGAAC TGATGGGCAA ACACAAGTAG TTTTGAAGT180
TGATGCTCTT TCACACTTCC CAGCACTCCT GACACATCCC AAAGAGAAAA TTAATAAAGA240
AGCAGTGTGG TTCTCTCTCA ACATCACTGC AGGAAATCAG CAGCAGGTAC AGGCAGTAAT300
TGATGCCAAT CTTGTACCAA TGATAATACA CCTTTTGGAT AAGGGGGATT TTGGCCCCAAG360
CAGCTTCTTT TTGAGTGCCA AGTCGACGCG GCCGGA 396

Name: 95

Len: 622 Check: 9F8

ATGGAGAGTC ACTTAATAAT AAATTTTCTC TATAGTAGGT AAATCCGATG AAAGGCAGCT 60
GATTTCCAAC AAAAGCTTTA GGAATTGGGA AGGTTTCTAC ATCTCCTTTG TCATCTTCAA120
TGTCATCGAA ATTGCTGCTG TCTATGTCAC TGCTGAGTTC AGGTACTACA GGAGCTGCCG180
TTTCTCTTAT GTTATCCCAA TGCCACTGAT CATTCTTAAA GAAAGGATGC TGTCTGATTT240
CTTCCACCCC ATTTCTCCCA AGTCGTACCT CCTATCTGT TAAGAAAGCA CAGATGAGAT300
TCTTTGCAATG TTTGGAAATT TCTGCATCTT CAGGGAAACA CAGTGAATTC TTATGATCCA360
TAATTTTGCT ATATGTTTCT ACAAGTGAAT CCGCATAAAA TGGAGTATCC CCCACTAGCA420
TCTCATAAAG GAAAACACCT ACAGACCACC AATCACATTC TCGCCCATAG AAACCATCAC480
CCCCTTGTGA TTTCAGAACC TCAGGTGATA TATAATCCGG TGTCCAACT GCTGTATCAC540
AATGTACCAT GCCTGTTTCA TCCATCTTCA TACAGGTGCC AAAATCTGCT AATTTTAGAT600
GGTCATGTTT ATCACAGAGC AT 622

Name: 96

Len: 445 Check: 123B

GGAAGGGATG GAAAAAAGGA AAAGCAATAG AAAGTGTCCA ATTCACATCA GTTATCCGTC 60
TGCTTTTCT TGAGAGCTTG TGGAGGTTG TAACGTGGTG GGAACATCA ACACCTTGGC120
ATGCATGAAT GTTAAGTCAG GAAGGCCAGC GATCACCTTG ATAGCTTCTT CACTTAGGTG180
CTCTTCTCTT TTGGGTTTCC TGGTAGATGT GCTTGTCTTC TCTACTGTAG ACATGAGTCT240
TGCAAAATGCA TCAGTCACTT TGAGGCTTGA GGTGGAGATT TCCAGCTTAG AAGTTGTTAA300
CTCATACAAC TCCGGATCCA CACCACTTAA AGGGTTAGTA AGGCCACTGC TACTCCAGTC360
AAACTGGACG GGTGGTAGAG ACTCTGGAA CTGATCAGAT GTACATGTGT TCATATCTGG420
TGACATGGTG GCTGTCTGAC CGATG 445

Name: 97

Len: 541 Check: 147A

CTTCTTCTC TTTATCCTGG AGCCCCCTTC TCTCAGGTAC TAGCGTAGAG GGTAAACCCA 60
CAGATCATTC TTGATAATCT CAGCAATCCT GTCAGCCTCT GGGAGGTATG GTTTGAGAAC120
CAGCTGAAAA AGCTGTGGCT CGCATCCTGG TTCCCGTGAC GACGGCCTGG GGTCTCTGGC180
CCCGGTGCCA GCGGATTGGG GTTGAGTGAG ACACCAGCCG GCCTGAGCGG TTGCGCTGGA240
ACTCCTTGAC AATCACCATG TTTGTGAAGT AGGGGTTAGT CTGGAAGTAC AGCTTCATTT300
TGTAAGCCAT GGAGATATGT CTGAGATCCT GTACCTGCAG AATGGGTCAA GTAGCGGAAA360
AATGTCTTCA TCACGTGGT TGATCAAAAT TGGAAATCTG GGGTGGTTTA GGAAGTATG420
AGTGGAGTGC TTTGACCCAG AAGCCTGGGA TATGCCGGAT GATGAGGTCT CTGCGCTCCA480
GGAAGGGTCT TCGCATCTGG ATGAACCTTG GCTTGAGACG CATGAAGGCT TTGCTGCCTT540
G 541

Name: 98

Len: 384 Check: 4C9

ATTTGGACCG GCATGCAGGC AACTTCTTTT GTTGTTACAT ACCTGTATTA GGAAAATTAC 60
ACCCATTTTA CAGAAAAATC CCAAAACATA TACTGCAATA AGCTCAAAAC AATGTGAAAA120
AGACCAGTGT GAATGGCACA CAAAAATCGC CTCTTTATAA ATTAAGTGA ATTCATGATC180
ATGAAGTAGG CACAGGGAAA TCCAGTCCTC AGGGCTTTGC TCTTGGAAG AACACCTTTA240

228

AGTAATTTTT AAAAAGGTTA GCATCAGGCT GCTGAAGCGC TTGACAAAAC TCCTGAATTA300
TTTCTGGAGC TACTTGCAAG GAGGGCAGGT ATTCTTGTG AAGATACTGA ACACATTCTG360
GGCCCCGTTT GAGATGAATT GTTT 384

Name: 99

Len: 535 Check: 1D3F

TTTTAATTTA CAAAAGGTAG GCTCCGTTTA TTAGAGTCAC ACACAACTGA CTATCTCAGT 60
GTGACTCAAG ACCACAAAAA ACCCATTTCT CCTTCACTTC TGAGTCCTGG GGTAAATACC120
TAGACCAGCA AGTGTACTGC TTGGGGTCCA TTCACAGGTT TACAAGTTTT TCATTGAGTG180
CAATCTGTGA CTGTGTGAGG TTGGCCAGGT AGGTCACCAT CAAAAGGTCA TTGATGTTGC240
TGTGAGCAT GGTCTCAAAG TCATCGGGAA CTATTTTCGG TACTTGGTTA ACCAGGCTCA300
TCAGGAAGCG GCCCACAGTA TTGTCAGCTG ACACCTTTCC AGACAGTACA TCCTCTGCAT360
ATTGCAACAC TGTACTCAGG GCATCCTGGA TGCAGAGCTGA TGCCCTCCT ACTTGCTGCA420
AGTCACTTGA GAGTCCAATC ACTCTGTTGG GGCTAAAGCA GGTCTTCATG ATCAGGTCAA480
CTCCGATGCG TTCAGTGTG TAGTACGCGT ATTTCACTGT CAGAGGGGTG AACAT 535

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Figur 13

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333	N51
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